



Water

Summary of Project Changes

Municipal Water

Water

CIP Number	Project Title	FY 2004 Amount	Total Project Cost	Description
73-261.4	Alvarado Water Treatment Plant - Earl Thomas Reservoir	\$ 15,270,902	\$ 32,780,734	<i>The net increase to the total project cost of \$1,695,347 reflects the approved construction contract per Resolutions R-296348, R-296795 and R-295950. The adopted phase funding schedule reduces costs in Fiscal Year 2004 by \$1,445,669 but increases them in future years.</i>
73-261.3	Alvarado Water Treatment Plant - Upgrade and Expansion - Phase II	\$ 7,807,014	\$ 95,980,259	<i>The net increase to total project cost of \$5,786,436 reflects a revised estimate of future year costs. The start of construction is rescheduled from Fiscal Year 2003 to Fiscal Year 2004 in order to include prevailing wages in the bid process.</i>
73-331.0	Annual Allocation - CIP Contingencies	\$ 4,424,601	\$ 4,424,601	This revision provides for an increase in Fiscal Year 2004 funding based on a recalculation of pooled contingency requirements which occurs on an annual basis to reflect scheduled construction activities. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.
73-310.0	Annual Allocation - Corrosion Control	\$ -	\$ -	The scheduling and total project cost of this project is consistent with the Water Financing Plan as approved by the City Council on April 30, 2002, per Resolution R-296437. The total project cost for annual allocations is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the budget.
74-925.0	Annual Allocation - Dams and Reservoirs	\$ -	\$ -	The revision provides for a net reduction of \$1,025,946, based on updates to future cost estimates and project scheduling. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, Annual Allocations do not show prior year appropriations in the Annual Budget.

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CIP Number	Project Title		FY 2004 Amount	Total Project Cost	Description
73-024.0	Annual Allocation - Freeway Relocation	\$	133,000	\$ 133,000	This revision provides for an increase of \$83,000 based on reimbursement of TransNet for prior year expenditures. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.
73-900.0	Annual Allocation - Pressure Reduction Facility Upgrades	\$	1,038,101	\$ 1,038,101	The decrease in future years reflects a revision of cost estimates. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.
73-910.0	Annual Allocation - Seismic Upgrades	\$	-	\$ -	This revision provides for a net increase of \$970,870 in Water Replacement funding, based on updated estimates of future year costs. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.
73-277.0	Annual Allocation - Standpipe and Reservoir Rehabilitations	\$	67,024	\$ 67,024	This revision provides for a reduction of \$1,031,760 in Fiscal Year 2004, to provide funding for higher priority projects in order to comply with the approved financing plan. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.

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CIP Number	Project Title		FY 2004 Amount	Total Project Cost	Description
75-935.0	Annual Allocation - System Optimization and Pressure Improvements	\$	-	\$ -	This revision provides for a net decrease of \$358,878 in Water Replacement funding, based on updated estimates of future year costs from very preliminary estimates. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.
73-230.0	Annual Allocation - Various Lakes and Docks	\$	2,273,840	\$ 2,273,840	This project is funded by State Grant funds, and the increase of \$2,822,655 reflects rescheduling of project expenses to Fiscal Years 2004 through 2006 from Fiscal Year 2003. There is no net increase to the total cost of the project. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget
73-083.0	Annual Allocation - Water Main Replacements	\$	15,000,000	\$ 15,000,000	The Fiscal Year 2004 budget has been increased by \$5,000,000 for additional main replacements. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget
75-925.0	Annual Allocation - Water Meter & Vault Replacements	\$	411,224	\$ 411,224	This revision provides for an increase of \$68,051 in Water Replacement funding in Fiscal Year 2005, based on increased cost estimates. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.

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CIP Number	Project Title	FY 2004 Amount	Total Project Cost	Description
73-263.0	Annual Allocation - Water Pump Station Rehabilitations	\$ 1,895,413	\$ 1,895,413	<i>This revision provides for a net reduction of \$237,876 in Fiscal Year 2004 and a rescheduling of Water Replacement funding in the outlying fiscal years, resulting in an overall reduction of \$1,459,959. Revisions were made to provide funding for higher priority projects in order to comply with the approved financing plan. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.</i>
75-933.0	Barrett Flume Cover	\$ -	\$ 2,750,101	This revision provides for a net decrease of \$334,876 in Water Replacement funding, based on updated estimates of future year costs. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
73-317.0	Barrett Reservoir Outlet Tower Upgrade	\$ -	\$ 4,197,465	The net decrease of \$1,237,810 reflects a revised cost estimate.
73-236.0	Bayview Reservoir Replacement	\$ -	\$ 11,072,527	This project is complete.
73-216.0	Black Mountain Reservoir	\$ -	\$ 19,367,702	This revision provides for a net decrease of \$206,980 in Water Expansion funding to reflect the final estimate of project costs.
73-341.0	Black Mountain Road Pipeline	\$ -	\$ 22,366,752	This revision provides for a decrease of \$708,403 in Fiscal Year 2004 Water Expansion funding, based on the actual cost of the final construction contract and availability of continuing appropriations from Fiscal Year 2003.
72-920.0	Black Mountain Water Treatment Plant	\$ 108,883	\$ 3,240,984	This revision provides for an increase of \$164,951 in Water Expansion funding based on a change in project scope to fence the site of the future treatment plant.
70-920.0	Bonita Pipeline - Phase II	\$ -	\$ 2,406,860	This project is complete.

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CIP Number	Project Title		FY 2004 Amount	Total Project Cost	Description
73-347.0	CIP Program Management	\$	6,057,704	\$ 48,458,608	<i>This revision provides for a net decrease of \$260,003 in Water Expansion and Replacement funding, to reflect a correction to prior year appropriation amounts.</i>
70-958.0	Del Mar Heights Pipeline Rehabilitation	\$	-	\$ 2,750,099	This revision provides for a net decrease of \$561,330 in Water Replacement funding, based on revised estimates. The project is deferred one year to balance funding availability under the approved financing plan. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
70-964.0	Del Mar Mesa 30-Inch Water Transmission Line	\$	477,750	\$ 4,200,000	This new project provides for the construction of approximately 11,200 linear feet of 30-inch diameter water transmission pipeline in Carmel Mountain Road and Camino Santa Fe within the Del Mar Mesa Community, to provide capacity for both Del Mar Mesa and Pacific Highlands Ranch.
75-928.0	El Capitan Dam - Piezometers Replacement	\$	-	\$ 191,973	This project is complete.
70-959.0	El Capitan Parallel Pipeline	\$	-	\$ 11,655,706	The net increase of \$5,980,490 reflects additional cost associated with Fiscal Year 2014. As current cost and schedule estimates for this project are still very preliminary, there will be significant cost and schedule adjustments over time.
73-319.0	El Capitan Reservoir - Road Improvements	\$	-	\$ 3,076,529	This revision provides for a net decrease of \$296,318 in Water Replacement funding, based on updated cost estimates.
70-960.0	El Monte Pipeline No. 2	\$	-	\$ 77,005,351	This revision provides for a net decrease of \$16,299,392 in Water Replacement funding, based on updated cost estimates and a revised schedule. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.

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CIP Number	Project Title		FY 2004 Amount	Total Project Cost	Description
73-352.0	Flow Meters - Pump Stations and Pressure Reduction Stations with SCADA	\$	- \$	2,750,094	The scheduling and total project cost of this project is consistent with the Water Financing Plan as approved by the City Council on April 30, 2002, per Resolution R-296437.
73-351.0	Flow Meters - Raw Water Pipelines	\$	- \$	1,100,038	This revision provides for a net decrease of \$234,516 in Water Replacement funding, based on updated cost estimates and a revised schedule. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
70-962.0	Genetic Algorithm Pipeline Replacement	\$	- \$	46,760,668	This revision provides for a net decrease of \$13,721,498 in Water Replacement funding, based on updated cost estimates and an accelerated schedule. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
75-932.0	Groundwater Asset Development Program	\$	400,000	\$ 27,927,584	This revision provides for a net increase of \$1,461,584 in Water funding, based on updated cost estimates and a revised schedule which accelerates expenditures from Fiscal Years 2013 and 2014 into Fiscal Years 2011 and 2012 in order to produce storage capacity at an earlier date. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
70-957.0	Harbor Drive Pipeline	\$	- \$	4,950,155	This revision provides for a net decrease of \$1,010,415 in Water Replacement funding, based on updated cost estimates and a revised schedule. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.

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CIP Number	Project Title	FY 2004 Amount	Total Project Cost	Description
70-961.0	Kearny Mesa Pipeline Upgrade	\$ -	\$ 27,888,343	This revision provides for a net increase of \$1,741,936 in Water Replacement funding, based on updated cost estimates and a revised schedule. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
73-343.0	Lower Otay Reservoir - Emergency Outlet Improvements	\$ -	\$ 3,721,439	This revision provides for a net decrease of \$646,253 in Water Replacement funding, based on updated cost estimates. The revised schedule reflects project phasing.
70-910.5	Miramar Pipeline Improvements - Phase III	\$ 115,204	\$ 16,624,817	This revision provides for a net decrease of \$1,289,931 in Water Replacement funding and the deferral of construction from Fiscal Year 2007 to Fiscal Year 2008 reflecting the amended DHS Compliance Order. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
70-910.6	Miramar Pipeline Improvements - Phase IV	\$ 155,943	\$ 16,592,138	This revision provides for a net decrease of \$1,950,456 in Water Replacement funding, an acceleration of design from Fiscal Year 2006 to Fiscal Year 2005, and an acceleration of construction activities from Fiscal Year 2009 to Fiscal Year 2008 in order to parallel CIP 70-910.5, Miramar Pipeline Improvements - Phase III. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
70-945.0	Miramar Road Pipeline	\$ -	\$ 12,607,656	This Reduction of \$50,000 reflects a revised estimate of the final close out of the project.

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CIP Number	Project Title	FY 2004 Amount	Total Project Cost	Description
73-284.0	Miramar Water Treatment Plant - Upgrade and Expansion	\$ 27,563,450	\$ 186,546,201	<i>This revision provides for a net increase of \$3,127,735 in Water Expansion and Replacement funding, based on final design estimates and a revised schedule. The increase does not include the potential cost of prevailing wages. The start of construction is moved from Fiscal Year 2003 to Fiscal Year 2004 due to delays in contract approval.</i>
73-321.0	Morena Reservoir Outlet Tower Upgrade	\$ -	\$ 3,078,746	<i>This revision provides for a net decrease of \$441,620 in Water Replacement funding, based on updated cost estimates.</i>
73-915.0	Murray Outlet Tower	\$ -	\$ 1,219,382	<i>This revision provides for a net decrease of \$380,834 in Water Replacement funding, based on updated cost estimates.</i>
70-963.0	North City Pipeline Improvements	\$ 175,215	\$ 54,268,440	<i>This revision provides for a net decrease of \$8,466,530 in Water Replacement funding based on updated cost estimates and a revised schedule. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.</i>
73-286.0	Otay Second Pipeline Improvements	\$ 1,912,429	\$ 26,553,113	<i>This revision provides for a net increase of \$406,235 in Water Replacement funding, based on updated cost estimates. The increase of \$1,185,580 in Fiscal Year 2004 reflects an accelerated schedule for corrosion protection activities to minimize future repair requirements, and accelerated design for the cast iron replacement phase per the amended DHS Compliance order.</i>
73-250.0	Otay Water Treatment Plant - Clearwell Storage	\$ 11,433,445	\$ 23,774,281	<i>This revision provides for a net increase of \$3,496,942 to reflect actual bids for the project construction as approved by Council Resolution R- 297205. A net decrease of \$2,497,865 in Fiscal Year 2004 is due to the adopted phase funding schedule.</i>
73-322.0	Otay Water Treatment Plant - Raw Water Pump Operational Conversion	\$ 137,974	\$ 761,441	<i>This revision provides for a net increase of \$96,473 in Fiscal Year 2004, which reflects the adopted phase funded schedule and a revised estimate of final project close out costs.</i>

Summary of Project Changes

Municipal Water

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CIP Number	Project Title		FY 2004 Amount	Total Project Cost	Description
73-285.0	Otay Water Treatment Plant - Upgrade - Phase II	\$	317,356	\$ 28,303,533	This revision provides for a net decrease of \$684,862 in Water Replacement funding, based on changes in project scope to incorporate conventional treatment processes rather than reverse osmosis. The project schedule has also been revised to reflect this change.
75-934.0	Outlet Tower Silt Removal and Management	\$	-	\$ 54,771,512	The reduction of \$16,154,212 in total project cost reflects a revised schedule which shifts costs beyond Fiscal Year 2014. The scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.
73-346.0	Parkland Pump Station	\$	-	\$ 2,785,335	The net reduction of \$422,877 reflects a revised cost estimate.
73-248.0	Pomerado Pipeline Number 2	\$	-	\$ 8,057,561	The net reduction of \$2,178,220 reflects a revised cost estimate.
73-342.0	Rancho Bernardo Pump Station Number 2	\$	593,656	\$ 3,980,911	The overall reduction in project cost of \$31,745 reflects a revised cost estimate. Schedule changes extending construction into Fiscal Year 2007 correspond to an amendment to the DHS Compliance Order.
73-328.0	Rancho Bernardo Reservoir Rehabilitation	\$	-	\$ 9,454,696	The net increase of \$507,285 reflects revised cost estimate. Schedule changes accelerate completion of construction to Fiscal Year 2006 from Fiscal Year 2007 based on the adoption of a design-build strategy.
73-291.0	Reservoir Water Quality Systems	\$	-	\$ 7,508,798	The Fiscal Year 2004 reduction of \$1,940,619 reflects the rescheduling of this project outside the current financing plan period in order to accommodate cost increases to higher priority projects while remaining within financing limits of the current plan. However, total project cost is estimated to increase by \$2,583,866 based on preliminary design efforts.

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Municipal Water

CIP Number	Project Title	FY 2004 Amount	Total Project Cost	Description
73-314.0	San Diego 17 Flow Control Facility and Pump Station	\$ -	\$ 9,788,833	The net reduction of \$1,251,682 reflects a revised cost estimate based on completion of preliminary design.
73-301.0	Serra Mesa Pump Station	\$ -	\$ 5,748,098	The net reduction of \$1,652,818 to the total project cost reflects a revised cost estimate based on completion of preliminary design. The schedule change reflects phasing of construction into Fiscal Year 2013 from Fiscal Year 2012.
73-249.0	South San Diego Pipeline Number 2	\$ 2,103,905	\$ 35,908,761	The increase of \$2,179,924 for Fiscal Year 2004 reflects revised scope which includes an additional segment of pipe added to the project to improve system function.
73-348.0	Telemetry Control Systems - SCADA - Phase II	\$ -	\$ 13,364,599	This project is complete.
73-329.0	Tierrasanta Norte Water Pump Station	\$ -	\$ 1,146,956	The net reduction of \$283,796 in total project cost reflects a revised cost estimate.
70-953.0	Torrey Pines Road/La Jolla Boulevard Water Main Replacement	\$ 505,000	\$ 14,648,173	The net increase of \$285,413 reflects a revised cost estimate. The increase of \$265,364 in Fiscal Year 2004 reflects the acceleration of the construction of the La Jolla Boulevard/Pacific Beach water main replacement to Fiscal Year 2004 from Fiscal Years 2005 and 2006.
73-338.0	Water Department Central Facility	\$ -	\$ 33,000,460	The net reduction of \$28,843,049 reflects a revised cost estimate and a revised schedule which moves costs beyond Fiscal Year 2014. The scope, nature and schedule of the project are being reviewed and are subject to future revision.
75-931.0	Water Department Security Upgrades	\$ 5,491,000	\$ 20,467,558	An increase of \$16,130,000 reflects implementation of recommendations derived from a vulnerability assessment.

Summary of Project Changes

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CIP Number	Project Title		FY 2004 Amount	Total Project Cost	Description
73-350.0	Water Flow Meter Installation	\$	148,931	\$ 729,752	This prior year project is being re-instituted. The increase of \$148,931 in Fiscal Year 2004 reflects additional meters to be installed in the distribution system to improve system monitoring and operations.

Municipal Water Subtotal \$ 106,018,964

Phased Funded Subtotal \$ (48,881,639)

Municipal Water Total \$ 57,137,325

Reclaimed Water

Water

CIP Number	Project Title		FY 2004 Amount	Total Project Cost	Description
70-942.0	Annual Allocation - CIP Contingencies - Reclaimed Water Distribution System/RWDS	\$	390,400	\$ 390,400	This revision provides for an increase in Fiscal Year 2004 funding based on a recalculation of reclaimed water contingency requirements which occurs on an annual basis to reflect scheduled construction activities. The total project cost for annual allocation projects is reflective of the Fiscal Year 2004 budget only. In addition, annual allocations do not show prior year appropriations in the Annual Budget.
70-949.0	Annual Allocation - Reclaimed Water Extension	\$	-	\$ -	This annual allocation, which provided for extensions of the North City Reclaimed Water Distribution System, is complete.
70-954.0	North City Reclamation System	\$	9,567,020	\$ 65,398,963	This revision provides for a net increase of \$12,931,584 in Water funding based on updated cost estimates. The new estimates followed planning studies which provided improved scopes and an accelerated schedule to take advantage of grant funding. Grant funding from Proposition 50 is anticipated to offset most of the additional costs. Preliminary grant applications have been submitted but the grants have not yet been awarded. Future year scope and schedule of this project are still preliminary. Changes to project cost and schedule reflect changes to initial estimates.

Summary of Project Changes

Water

Reclaimed Water

CIP Number	Project Title	FY 2004 Amount	Total Project Cost	Description
70-955.0	San Pasqual Water Reclamation System	\$ -	\$ 20,382,481	The net increase of \$5,950,482 reflects a revised cost estimate based on completion of preliminary planning and improved scoping of project. The project schedule is accelerated so that the project will contribute to meeting beneficial reuse requirements associated with the Metropolitan Wastewater Department's clean water grant. Project has been submitted for Proposition 50 grants which would offset part of the cost increase, but grants have not yet been awarded.
70-956.0	South Bay Reclamation System	\$ 860,000	\$ 8,195,205	The increase to Fiscal Year 2004 of \$238,100 reflects a revised cost estimate based on re-scoping construction of a pipe from the South Bay Reclaimed Water Treatment Plant to the International Boundary and Water Commission (IBWC) sewage treatment plant, which will allow the IBWC to use up to 500,000 gallons per day of reclaimed water per a cost sharing arrangement with the Metropolitan Wastewater Department. Future year scope cost and schedule are subject to revision as planning progresses.

Reclaimed Water Subtotal \$ 10,817,420

Subtotal for Water \$ 116,836,384

Phased Funded Subtotal \$ (48,881,639)

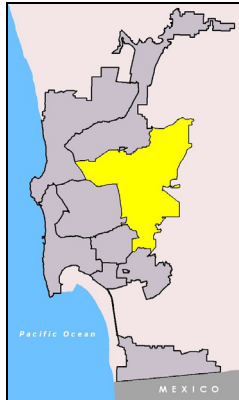
Total for Water \$ 67,954,745

** A project that is in italics indicates that the project contains phased funding. The department subtotal includes phase-funded amounts; the department total excludes phase-funded amounts.*

73-261.4 Alvarado Water Treatment Plant - Earl Thomas Reservoir

Council District: 7

Community Plan: Navajo



Description: This project provides for replacing a reservoir at Alvarado Water Treatment Plant.

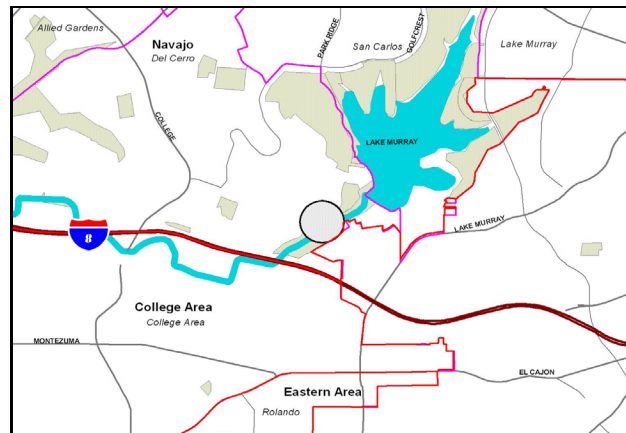
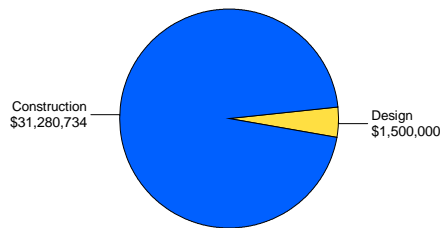
Justification: The existing reservoir has serious structural and seismic defects (which affect its long term reliability). The new reservoir will meet all current seismic requirements and will be well baffled, providing good circulation.

Operating Budget Effect: None.

Relationship to General and Community Plans: This project is consistent with the Mission Trails Regional Park Plan and the Navajo Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design was completed in Fiscal Year 2001. Construction will begin in Fiscal Year 2004 and will be completed in Fiscal Year 2006.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			11,525,702				
WATER-R		13,257,185	3,745,200	4,093,302	159,345		
Total		13,257,185	15,270,902	4,093,302	159,345		
Work Codes		CD	C	C	C		
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							11,525,702
WATER-R							21,255,032
Total							32,780,734
Work Codes							

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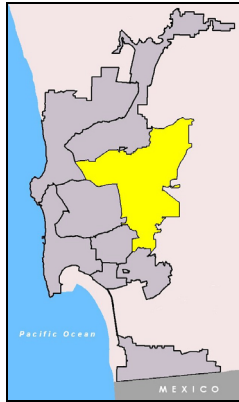
Water

Municipal Water

73-261.3 Alvarado Water Treatment Plant - Upgrade and Expansion - Phase II

Council District: 7

Community Plan: Mission Trails Regional Park, Navajo



Description: This project provides for Phase II of the expansion of the capacity of the Alvarado Treatment Plant and for upgrading the existing facilities. Phase II includes adding two sedimentation basins, rehabilitating the existing operations/administration building, rehabilitating the existing sedimentation basins, rehabilitating the existing filters, and adding a new wash water tank.

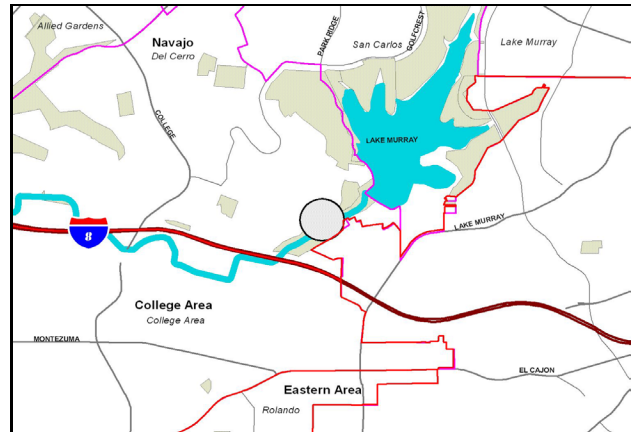
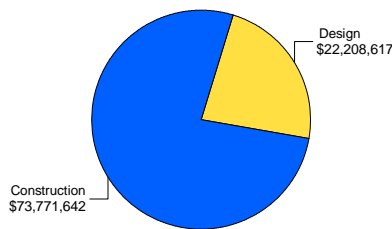
Justification: The Safe Drinking Water Act dictates the need to upgrade the existing treatment plant. Also, increasing demands on the plant necessitate its expansion. The rehabilitated plant will better utilize the raw water storage in the San Vicente and El Capitan Reservoirs.

Operating Budget Effect: None.

Relationship to General and Community Plans: This project is consistent with the Mission Trails Regional Park Plan and the Navajo Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 1999 and was completed in Fiscal Year 2002. Construction will begin in Fiscal Year 2004 and is scheduled to be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			2,588,414				
WATER-E	8,100,128	2,520,620	2,609,300	6,806,000	6,473,167	8,236,332	9,332,760
WATER-R	8,100,129	2,520,620	2,609,300	6,806,000	6,473,168	8,236,332	9,332,761
Total	16,200,257	5,041,240	7,807,014	13,612,000	12,946,335	16,472,664	18,665,521
Work Codes	D	D	CD	C	C	C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							2,588,414
WATER-E	2,561,053	56,560					46,695,920
WATER-R	2,561,054	56,561					46,695,925
Total	5,122,107	113,121					95,980,259
Work Codes	C	C					

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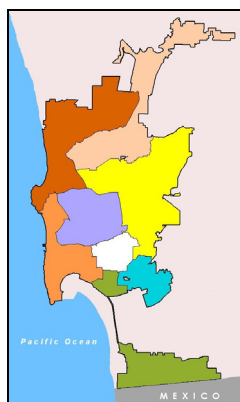
Phone: 619-533-4157

73-331.0 Annual Allocation - CIP Contingencies

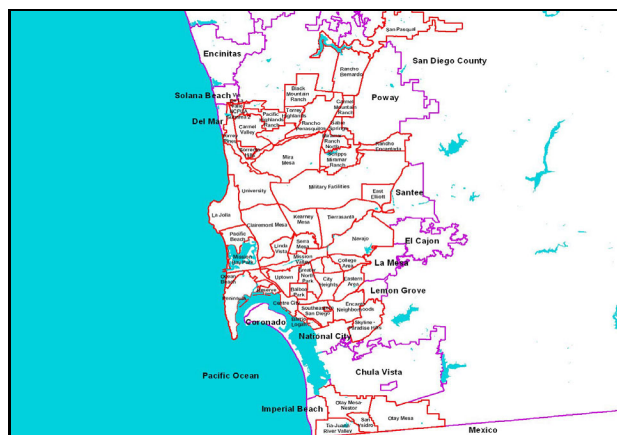
Description: This annual allocation provides for Capital Improvements Program contingency needs.

Operating Budget Effect: None.

Scheduling: Projects are scheduled on a priority basis.



Expenditure by Work Code
Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-E			1,327,380	1,268,430	1,236,600	1,084,890	1,176,210
WATER-R			3,097,221	2,959,670	2,885,400	2,531,410	2,744,490
Total			4,424,601	4,228,100	4,122,000	3,616,300	3,920,700
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-E	1,109,940	1,133,490	1,065,780	1,199,430	1,129,770	824,400	1,327,380
WATER-R	2,589,860	2,644,810	2,486,820	2,798,670	2,636,130	1,923,600	3,097,221
Total	3,699,800	3,778,300	3,552,600	3,998,100	3,765,900	2,748,000	4,424,601
Work Codes							

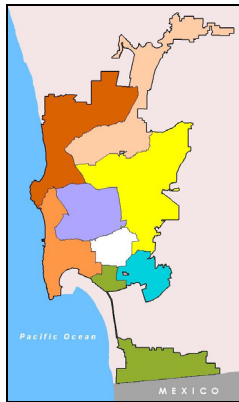
Phone: 619-533-4157

73-310.0 Annual Allocation - Corrosion Control

Description: This annual allocation provides for renovating or replacing deteriorating corrosion control and monitoring systems throughout the City.

Operating Budget Effect: See the operating budget effect table.

Scheduling: Projects are scheduled on a priority basis.

[illegible]

Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							100,000
Total							100,000
Work Codes							

Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	100,000	100,000	100,000	100,000	100,000	100,000	
Total	100,000	100,000	100,000	100,000	100,000	100,000	
Work Codes							

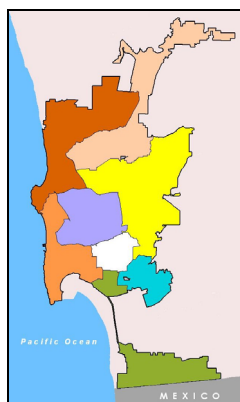
Operating Budget Effect							
Fiscal Year	Operating		Maintenance		Other		Total
2008	Costs		Costs		Department		
Staffing		-		-		-	-
PE	\$	(20,000)	\$	-	\$	-	\$ (20,000)
NPE	\$	(30,000)	\$	-	\$	-	\$ (30,000)
Total Impact	\$	(50,000)	\$	-	\$	-	\$ (50,000)

Phone: 619-533-4157

Water Municipal Water

74-925.0 Annual Allocation - Dams and Reservoirs

Council District: Citywide **Community Plan:** Citywide



Description: This annual allocation provides for rehabilitating and reconstructing improvements at reservoirs and dams such as resurfacing access roads and reconstructing berms, installing lighting around dams, and sandblasting and shotcreting all exposed surfaces of the dams.

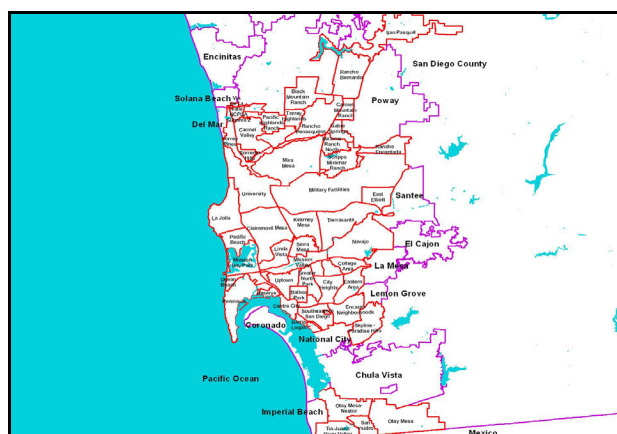
Justification: The rehabilitation and reconstruction of access roads and upgrading of berms, lighting, and all exposed surfaces of the dams are necessary to maintain access and safety of the dam area. These improvements will, in addition, serve to satisfy a portion of the Division Safety of Dams requirements.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R		50,841	407,245	1,108,275	2,133,739	950,404	
Total		50,841	407,245	1,108,275	2,133,739	950,404	
Work Codes							

Contact: Sam Gray

E-Mail: sgray@sanidiego.gov

Phone: 619-533-4157

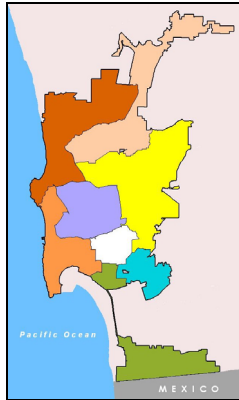
Water

Municipal Water

73-024.0 Annual Allocation - Freeway Relocation

Council District: Citywide

Community Plan: Citywide



Description: This annual allocation provides for relocating water lines in conflict with the State Department of Transportation Highway Construction Program.

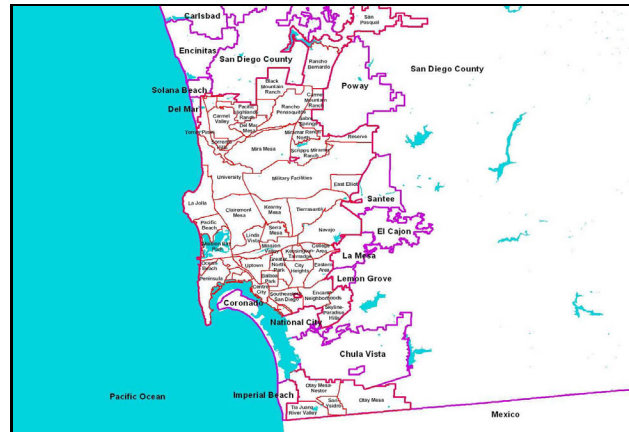
Justification: Relocation is necessitated by the State Department of Transportation Highway Construction Program. These projects are accomplished in conjunction with highway programs scheduled by the State Department of Transportation.

Operating Budget Effect: None.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R			133,000	50,000	50,000	50,000	50,000
Total			133,000	50,000	50,000	50,000	50,000
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	50,000	50,000	50,000	50,000	50,000	50,000	133,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	133,000
Work Codes							

Contact: Sam Gray

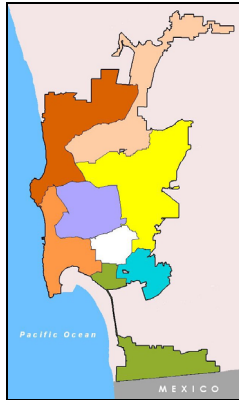
E-Mail: sgray@sanidiego.gov

Phone: 619-533-4157

Water Municipal Water

73-900.0 Annual Allocation - Pressure Reduction Facility Upgrades

Council District: Citywide **Community Plan:** Citywide



Description: This annual allocation provides for replacing existing pressure reducing stations, or expanding pressure capacities to meet present and future water demands.

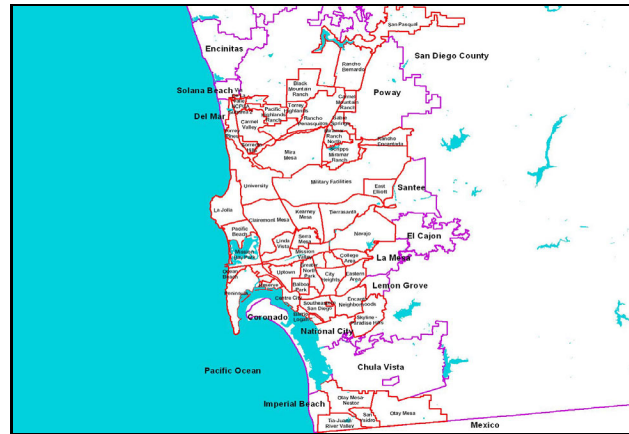
Justification: Increasing demands for water throughout the City dictate the need to better control water pressure throughout the City's system. This annual allocation will fund continued replacement and expansion of these facilities.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			942,930				
WATER-R			95,171	671,546	16,940		
Total			1,038,101	671,546	16,940		
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							942,930
WATER-R							95,171
Total							1,038,101
Work Codes							

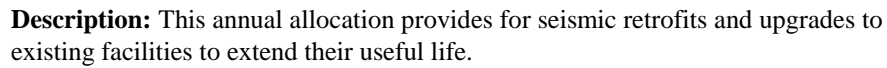
Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

73-910.0 Annual Allocation - Seismic Upgrades

Community Plan: Citywide



Justification: Many existing facilities throughout the City have serious structural and seismic defects. This annual allocation will allow funding to upgrade these facilities to meet current compliance requirements and guidelines.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

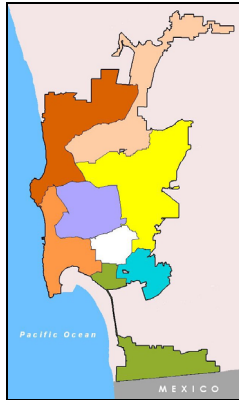
Scheduling: Projects are scheduled on a priority basis.

[illegible]

Phone: 619-533-4157

73-277.0 Annual Allocation - Standpipe and Reservoir Rehabilitations

Council District: Citywide **Community Plan:** Citywide



Description: This annual allocation provides for reconstructing standpipes and reservoirs to improve operations and extend their useful life.

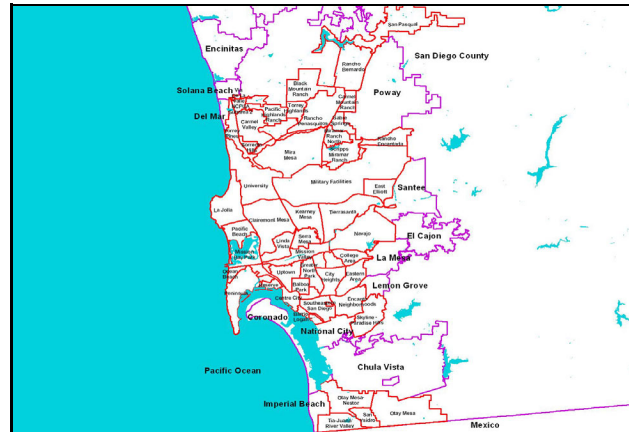
Justification: Many existing standpipes and reservoirs in the system have deteriorated to a point where they must be reconstructed or replaced to meet current Occupational Safety and Health Act and Environmental Protection Agency safety and water quality standards.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R			67,024			8,172	3,648,072
Total			67,024			8,172	3,648,072
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	1,134,852	5,796,902	1,428,745	4,566,209	1,171,799	552,382	67,024
Total	1,134,852	5,796,902	1,428,745	4,566,209	1,171,799	552,382	67,024
Work Codes							

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

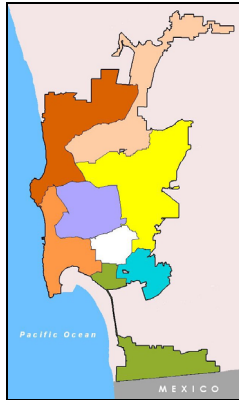
Phone: 619-533-4157

Water

Municipal Water

75-935.0 Annual Allocation - System Optimization and Pressure Improvements

Council District: Citywide **Community Plan:** Citywide



Description: This annual allocation allows for ongoing studies to determine methods for optimizing the City's existing water facilities and improving water pressure throughout the City.

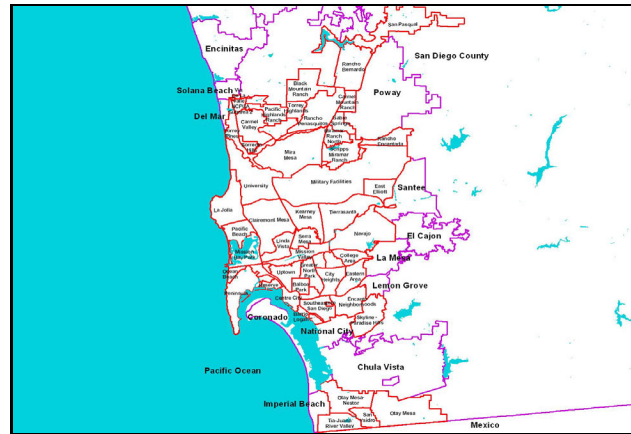
Justification: The annual allocation will allow funding to perform various planning studies necessary to determine facility needs throughout the City.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	250,848	895,763	397,177	18,110			
Total	250,848	895,763	397,177	18,110			
Work Codes							

Contact: Sam Gray

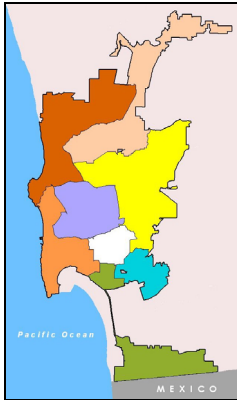
E-Mail: sgray@sanidiego.gov

Phone: 619-533-4157

Water Municipal Water

73-230.0 Annual Allocation - Various Lakes and Docks

Council District: Citywide **Community Plan:** Citywide



Description: This annual allocation is for the repair and improvement of recreation facilities at the various City owned lakes.

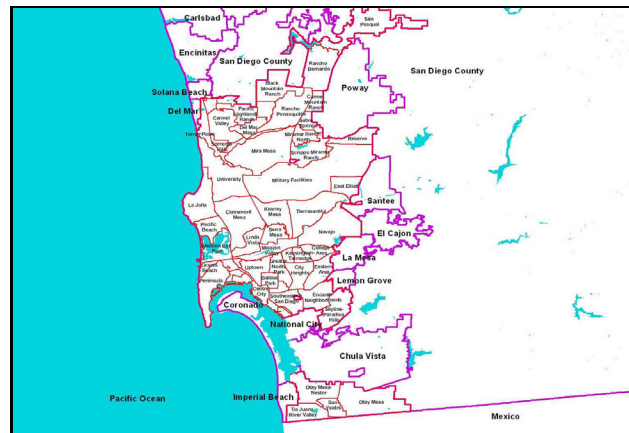
Justification: This annual allocation will fund work needed to restore deteriorated facilities that receive high usage and continuous exposure to weather. In addition, some facilities will be upgraded to enhance public access to reservoir recreation opportunities. This project will be funded by Department of Boating and Waterways grant funds.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
OTHRW E			2,273,840	533,348	15,467		
WATER-E		3,223,000					
Total		3,223,000	2,273,840	533,348	15,467		
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
OTHRW E							2,273,840
WATER-E							3,223,000
Total							2,273,840
Work Codes							

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

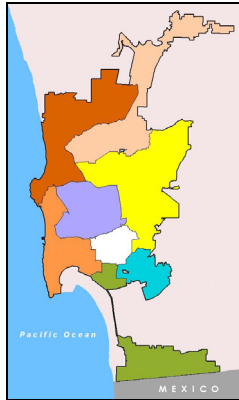
Water

Municipal Water

73-083.0 Annual Allocation - Water Main Replacements

Council District: Citywide

Community Plan: Citywide



Description: This annual allocation provides for the replacement of water mains at various locations throughout the City.

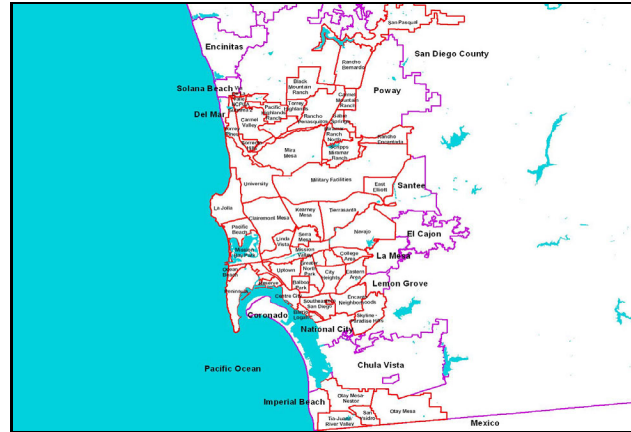
Justification: Water mains are replaced because they are in a deteriorated condition or are undersized. The existing cast-iron system is either approaching or has exceeded its expected life of 40 years. Breaks are now occurring at the rate of over 200 annually.

Operating Budget Effect: See the operating budget effect table.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-E			750,000	500,000	500,000	500,000	500,000
WATER-R			14,250,000	9,500,000	9,500,000	9,500,000	9,500,000
Total			15,000,000	10,000,000	10,000,000	10,000,000	10,000,000
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-E	500,000	500,000	500,000	500,000	500,000	500,000	750,000
WATER-R	9,500,000	9,500,000	9,500,000	9,500,000	9,500,000	9,500,000	14,250,000
Total	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	15,000,000
Work Codes							

Operating Budget Effect				
Fiscal Year	Operating	Maintenance	Other	Total
2004	Costs	Costs	Department	
Staffing	-	-	-	-
PE	\$ (99,300)	\$ -	\$ -	\$ (99,300)
NPE	\$ (160,700)	\$ -	\$ -	\$ (160,700)
Total Impact	\$ (260,000)	\$ -	\$ -	\$ (260,000)

Contact: Sam Gray

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Phone: 619-533-4157

Water Municipal Water

75-925.0 Annual Allocation - Water Meter & Vault Replacements

Council District: Citywide **Community Plan:** Citywide

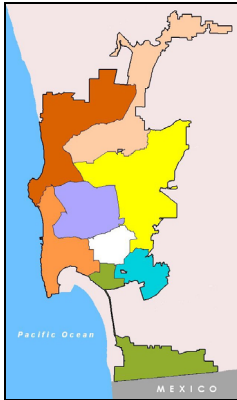
Description: This annual allocation provides for replacing water service meters at various locations within the City.

Justification: Water service meters are replaced because they are in a deteriorated condition or are undersized.

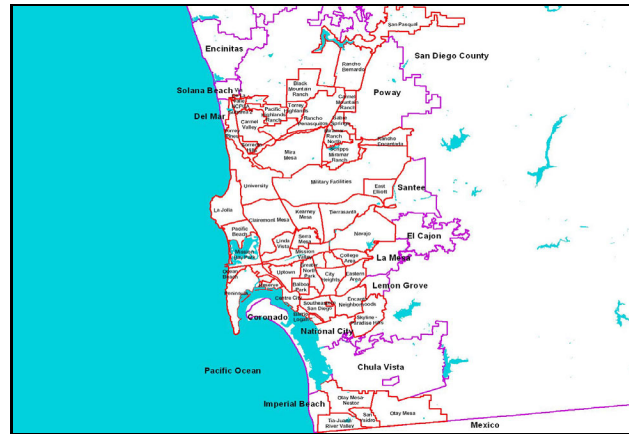
Operating Budget Effect: None.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.



Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R			411,224	467,801			
Total			411,224	467,801			
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R							411,224
Total							411,224
Work Codes							

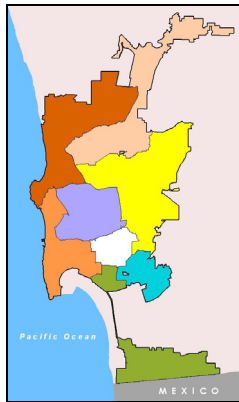
Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

73-263.0 Annual Allocation - Water Pump Station Rehabilitations

Scheduling: Projects are scheduled on a priority basis.

[illegible]

Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			1,336,400				
WATER-R			559,013	35,895		500,000	500,000
Total			1,895,413	35,895		500,000	500,000
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							1,336,400
WATER-R	859,914	846,201	3,293,604	2,869,467	612,092	557,421	559,013
Total	859,914	846,201	3,293,604	2,869,467	612,092	557,421	1,895,413
Work Codes							

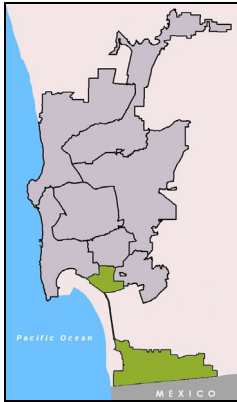
Operating Budget Effect							
Fiscal Year	Operating		Maintenance		Other		Total
2004	Costs		Costs		Department		
Staffing		-		-		-	-
PE	\$	(10,000)	\$	-	\$	-	\$ (10,000)
NPE	\$	(13,000)	\$	-	\$	-	\$ (13,000)
Total Impact	\$	(23,000)	\$	-	\$	-	\$ (23,000)

Phone: 619-533-4157

Water
Municipal Water
75-933.0 Barrett Flume Cover

Council District: 8

Community Plan: Otay Mesa



Description: This project will provide a covering for the 10 -12 mile open channel delivering water from the Barrett Reservoir to the Lower Otay Reservoir.

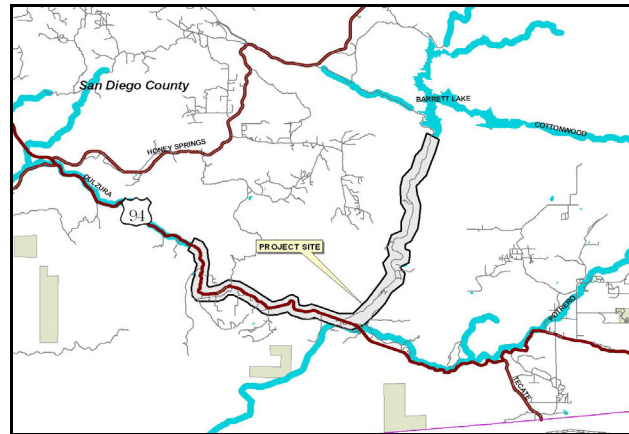
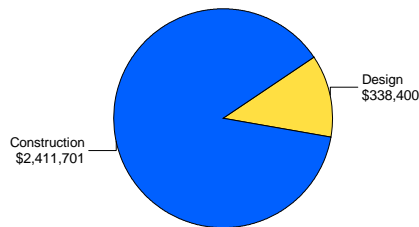
Justification: Each year golden eagles, deer, and other wildlife drown in the open channel sections of the Barrett Flume. There is also an excessive maintenance burden to keep soil and sediment out. Additionally, there is a slight algae build up due to sunlight. Covering the open flume sections is necessary to preempt fines and sanctions from the resource agencies, to maintain water quality, and to reduce maintenance and down time.

Operating Budget Effect: The operating budget effect is estimated to be minimal..

Relationship to General and Community Plans: This project is consistent with the City's Progress Guide and General Plan.

Scheduling: Design is scheduled to begin in Fiscal Year 2006 and to be completed in Fiscal Year 2007. Construction is estimated to begin in Fiscal Year 2008 and to be completed in Fiscal Year 2011.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R					300,307	38,093	2,296,269
Total					300,307	38,093	2,296,269
Work Codes					D	D	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	60,486	43,298	11,648				2,750,101
Total	60,486	43,298	11,648				2,750,101
Work Codes	C	C	C				

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

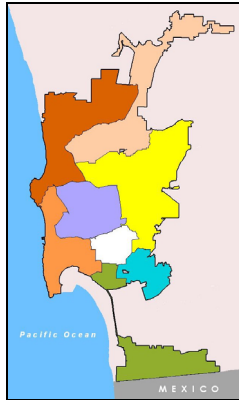
Water

Municipal Water

73-317.0 Barrett Reservoir Outlet Tower Upgrade

Council District: None

Community Plan: No Community Planning Area



Description: This project provides for upgrading the electrical system and replacing the outlet tower ladders, valves and platforms.

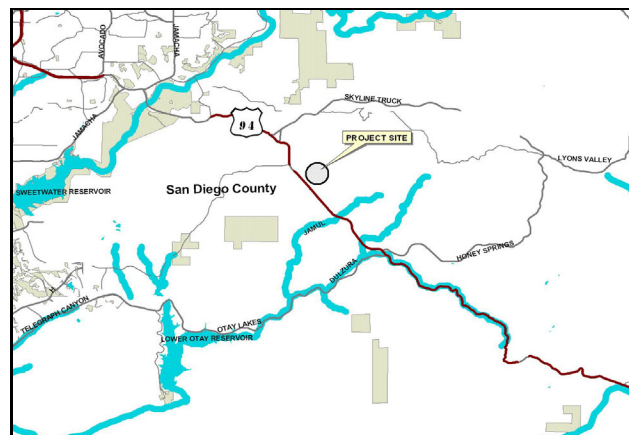
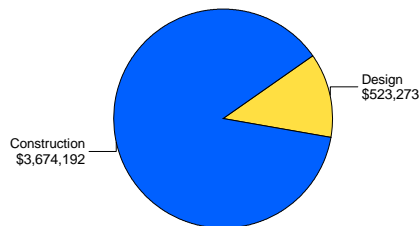
Justification: The aging outlet tower components are in need of replacement for safety and ease of operation. The electrical system needs to be upgraded to meet current standards, provide better control, and provide safety and better accessibility.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2001 and was completed in Fiscal Year 2003. Construction is scheduled to begin in Fiscal Year 2007 and be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		523,273				20,660	1,480,025
Total		523,273				20,660	1,480,025
Work Codes		D				C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	2,132,188	41,319					4,197,465
Total	2,132,188	41,319					4,197,465
Work Codes	C	C					

Contact: Sam Gray

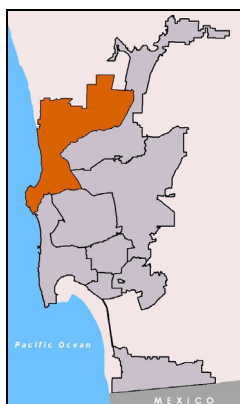
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
73-216.0 Black Mountain Reservoir

Council District: 1

Community Plan: Rancho Penasquitos



Description: This project provides for constructing a 25 million gallon storage reservoir near Black Mountain and the County Water Authority Second Aqueduct just west of Rancho Penasquitos.

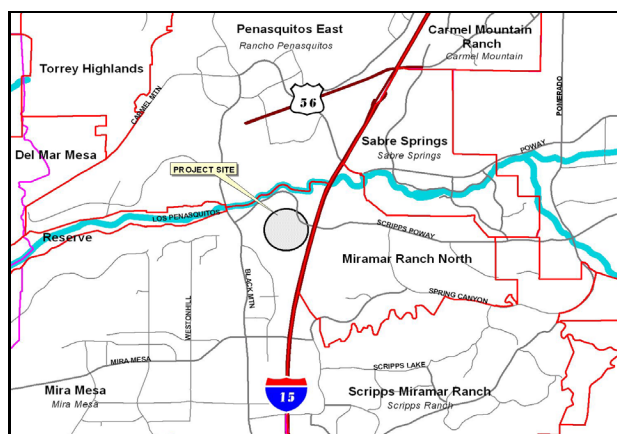
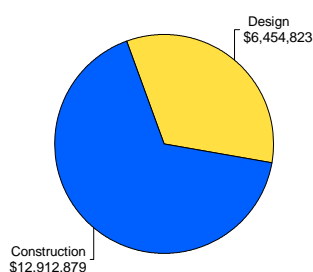
Justification: This project will provide for the additional storage capacity needed to meet the operational, emergency and fire demand requirements of the northern part of the City.

Operating Budget Effect: None.

Relationship to General and Community Plans: This project is consistent with the Rancho Penasquitos Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 1999 and was completed in Fiscal Year 2000. Construction began in Fiscal Year 2000 and is scheduled to be completed in Fiscal Year 2005.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-E		19,364,469		3,233			
Total		19,364,469		3,233			
Work Codes		CD		C			
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-E							19,367,702
Total							19,367,702
Work Codes							

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

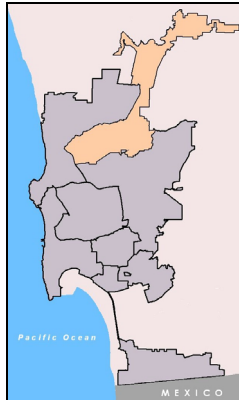
Water

Municipal Water

73-341.0 Black Mountain Road Pipeline

Council District: 5

Community Plan: Rancho Bernardo



Description: This project provides for installing 24,000 linear feet of 36-inch diameter pipe along Miramar Road to parallel the existing 16-inch Miramar Road Pipeline, and for installing 2,200 linear feet of 36-inch diameter pipe along Scripps Lake Drive west of Interstate 15.

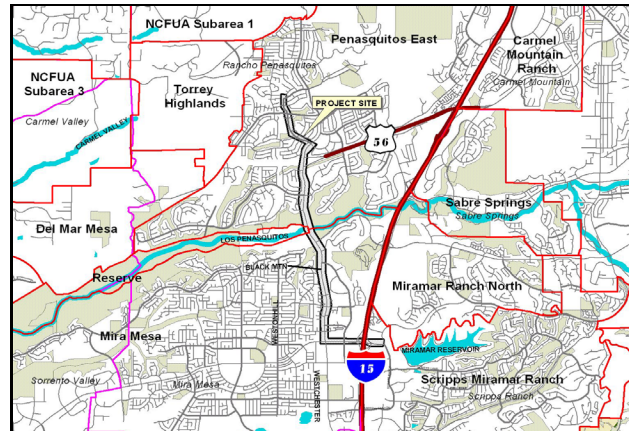
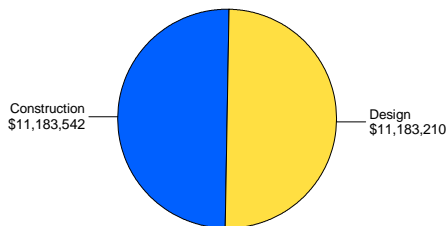
Justification: The new Black Mountain Road pipeline will increase water transmission capacity for the Miramar Water Treatment Plant to the northern part of the City, and provide needed system capacity to satisfy current and future demands.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the Rancho Bernardo Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 1999 and was completed in Fiscal Year 2001. Construction began in Fiscal Year 2002 and will be completed in Fiscal Year 2005.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-E		22,366,431		321			
Total		22,366,431		321			
Work Codes		CD		C			
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-E							22,366,752
Total							22,366,752
Work Codes							

Contact: Sam Gray

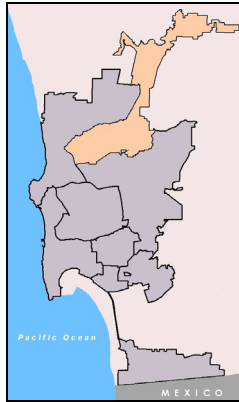
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

72-920.0 Black Mountain Water Treatment Plant

Council District: 5

Community Plan: Rancho Bernardo



Description: This project provides for purchasing land for the possible future development of a water treatment plant to serve Rancho Bernardo and possibly portions of Sabre Springs and the Rancho Penasquitos communities. Portions of this area currently receive most of their potable water directly from San Diego County Water Authority (SDCWA) connections.

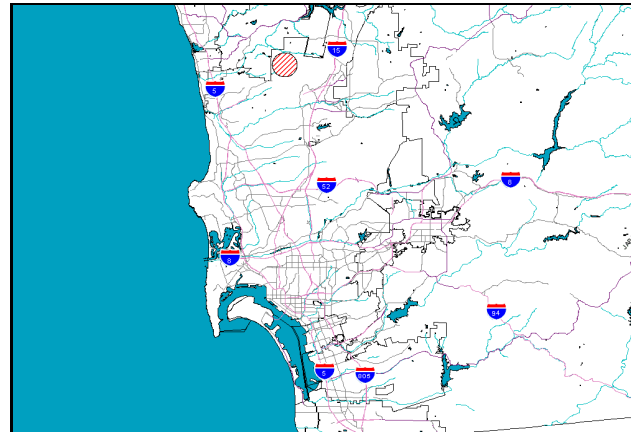
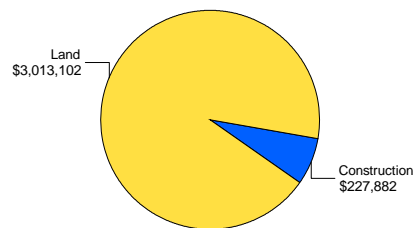
Justification: The Strategic Plan for Water Supply, adopted by the City Council in 1997, has a goal of reducing dependence on the SDCWA as a potable water purveyor. Purchasing this available land now will allow construction to proceed once engineering studies are completed and the project is approved by the City Council. This project is required to provide an adequate supply of potable water to the residents of the City of San Diego.

Operating Budget Effect: The impact on the operating budget will be determined when the project is more clearly defined.

Relationship to General and Community Plans: This project is consistent with the Rancho Bernardo Community Plan and the Strategic Plan for Water Supply, and is in conformance with the City's Progress Guide and General Plan.

Scheduling: Land acquisition began in Fiscal Year 2001 and was completed in Fiscal Year 2002. The property is scheduled to be fenced in Fiscal Year 2004 and completed in Fiscal Year 2005.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-E	3,013,102	62,931	108,883	56,068			
Total	3,013,102	62,931	108,883	56,068			
Work Codes	L	C	C	C			
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-E							3,240,984
Total							3,240,984
Work Codes							

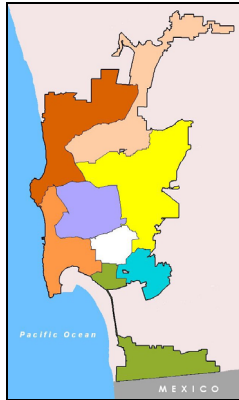
Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
73-347.0 CIP Program Management

Council District: Citywide **Community Plan:** Citywide



Description: This project provides for activities performed by consultants relating to the preparation and management of the Capital Improvements Program, value engineering, and program management. The project also provides for specialized studies and activities relating to financing, organization and management structure, scheduling, engineering, cost estimation, bond funding, and Capital Improvements Program impact on operations and maintenance.

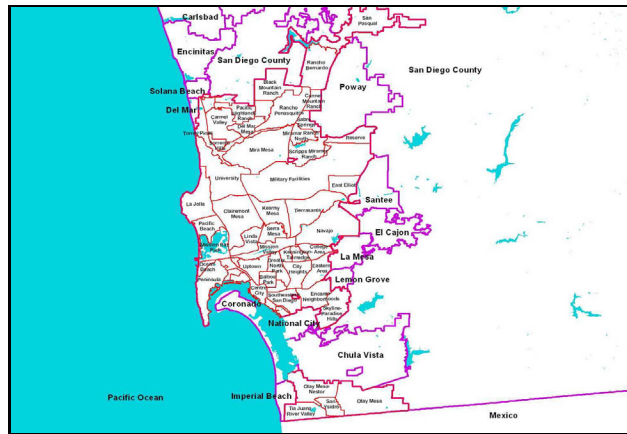
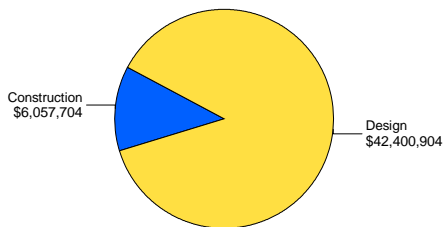
Justification: These activities are required to plan and implement the Water Department Capital Improvements Program in conformance with the Strategic Plan for Water Supply.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Program planning and design are scheduled through Fiscal Year 2007.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			6,057,704				
WATER-E	6,281,443	2,460,829		1,530,000	1,224,000	1,224,000	
WATER-R	14,656,699	5,741,933		3,570,000	2,856,000	2,856,000	
Total	20,938,142	8,202,762	6,057,704	5,100,000	4,080,000	4,080,000	
Work Codes	D	D	C	D	D	D	
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							6,057,704
WATER-E							12,720,272
WATER-R							29,680,632
Total							48,458,608
Work Codes							

Contact: Sam Gray

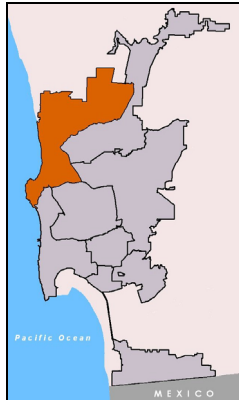
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
70-958.0 Del Mar Heights Pipeline Rehabilitation

Council District: 1

Community Plan: Pacific Highlands Ranch, Del Mar Mesa



Description: This project requires rehabilitation of the joints and realignment of significant portions of the pipeline.

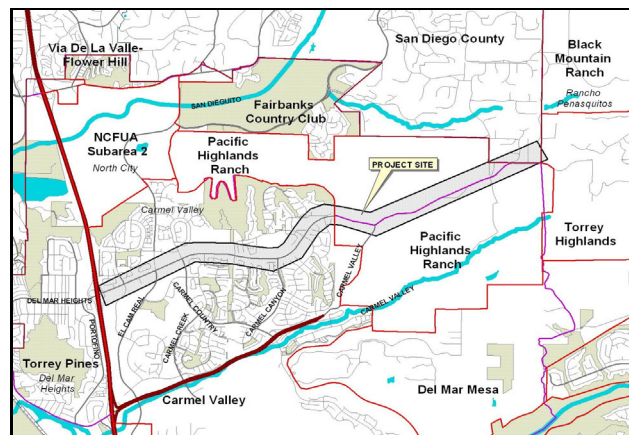
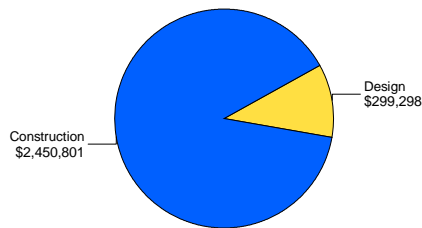
Justification: Corrosion inspection indicate that the project needs significant rehabilitation and realignment of the existing pipeline to meet future community needs.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the Del Mar Heights and Pacific Highlands Ranch Community Plans, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: This project is estimated to begin design work in Fiscal Year 2007 and to complete design in Fiscal Year 2008. Construction is estimated to begin in Fiscal Year 2010 and to be completed in Fiscal Year 2013.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							299,298
Total							299,298
Work Codes							D
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	37,232	2,310,910	60,485	38,014	4,160		2,750,099
Total	37,232	2,310,910	60,485	38,014	4,160		2,750,099
Work Codes	C	C	C	C	C		

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

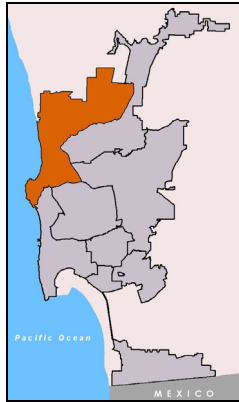
Water

Municipal Water

70-964.0 Del Mar Mesa 30-Inch Water Transmission Line

Council District: 1

Community Plan: Del Mar Mesa



Description: This project provides for the construction of approximately 11,200 linear feet of 30-inch diameter water transmission pipeline in Carmel Mountain Road and Camino Santa Fe within the Del Mar Mesa Community, to provide capacity for both Del Mar Mesa and Pacific Highlands Ranch.

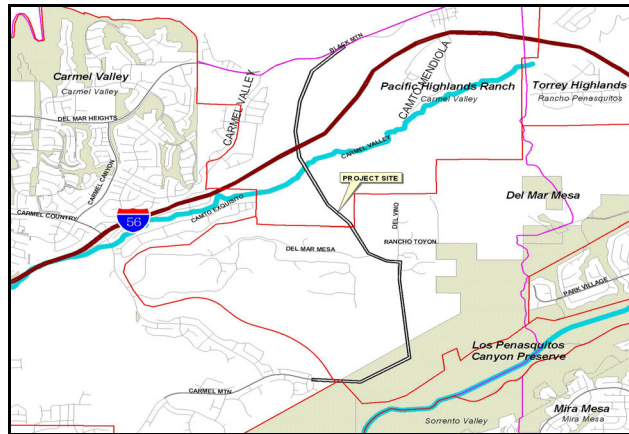
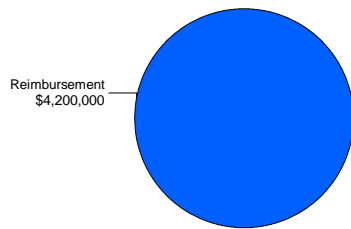
Justification: The pipeline is required to provide capacity in the water system to adequately supply the demand resulting from the build-out of the Del Mar Mesa and Pacific Highlands Ranch communities.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the Del Mar Mesa and Pacific Highlands Ranch Community Plans and is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design and construction are scheduled to begin in Fiscal Year 2004 and continue through Fiscal Year 2005.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
FBA 09			351,750	383,250			
FBA 11			126,000	3,339,000			
Total			477,750	3,722,250			
Work Codes			R	R			
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
FBA 09							735,000
FBA 11							3,465,000
Total							4,200,000
Work Codes							

Contact: John Tracanna

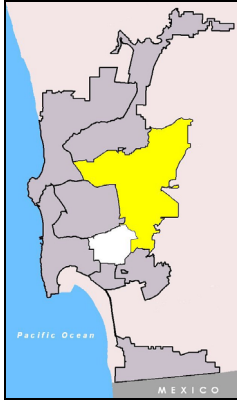
E-Mail: JTracanna@sandiego.gov

Phone: 619-533-3682

Water
Municipal Water
70-959.0 El Capitan Parallel Pipeline

Council District: None

Community Plan: No Community Planning Area



Description: This project provides for a pipeline parallel to the existing 48 inch El Capitan Pipeline with 41,490 linear feet of new 54 inch pipeline.

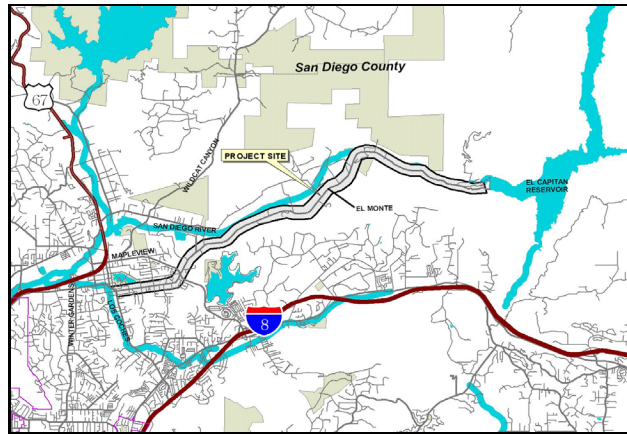
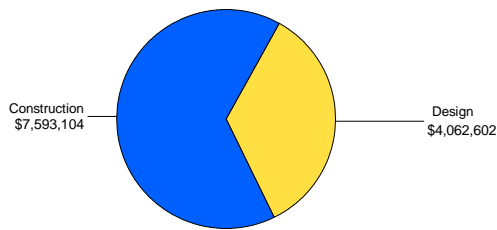
Justification: This project would provide an additional outlet capacity of 75 million gallons per day (MGD) from El Capitan Reservoir to the Lakeside Pump Station. The combined capacity of the two pipelines would be 130 MGD. This would enable the Lakeside Pump Station to deliver 110 MGD to the Alvarado Water Treatment Plant and 20 MGD to the Helix Water District.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the City's Progress Guide and General Plan.

Scheduling: Design is scheduled to begin in Fiscal Year 2012 and continue through Fiscal Year 2013. Construction is scheduled in Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R				3,605,510	457,092	7,593,104	11,655,706
Total				3,605,510	457,092	7,593,104	11,655,706
Work Codes				D	D	C	

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

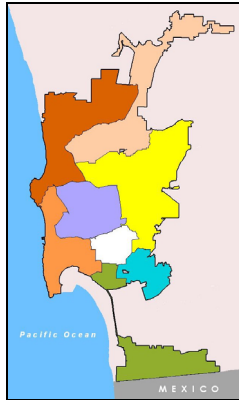
Water

Municipal Water

73-319.0 El Capitan Reservoir - Road Improvements

Council District: None

Community Plan: No Community Planning Area



Description: This project provides for widening the existing access road to El Capitan Reservoir.

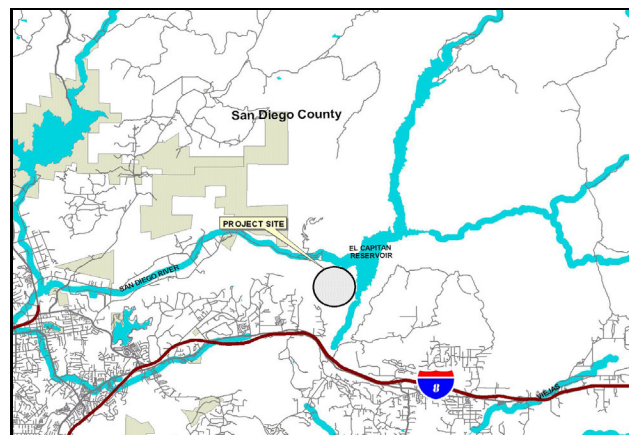
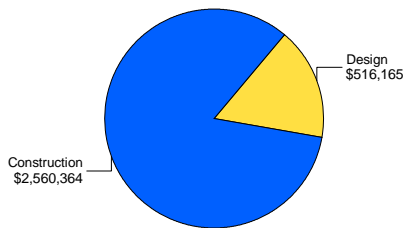
Justification: The existing access road is narrow and has become a safety concern. Widening the road will provide better accessibility to the reservoir, better accommodate the recreation activities, and assist maintenance efforts for the reservoir.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2000 and was completed in Fiscal Year 2001. Construction will begin in Fiscal Year 2008 and is scheduled to be completed in Fiscal Year 2009.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		516,165					2,403,129
Total		516,165					2,403,129
Work Codes		D					C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	157,235						3,076,529
Total	157,235						3,076,529
Work Codes	C						

Contact: Sam Gray

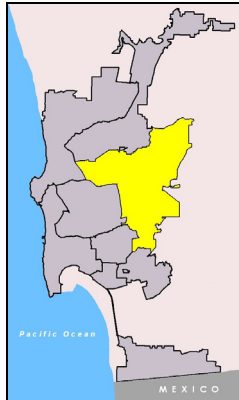
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
70-960.0 El Monte Pipeline No. 2

Council District: 7

Community Plan: Navajo



Description: This project would build a new 60 inch pipeline with a capacity of 150 million gallons per day (MGD) between the Lakeside Pump Station and the Alvarado Water Treatment Plant.

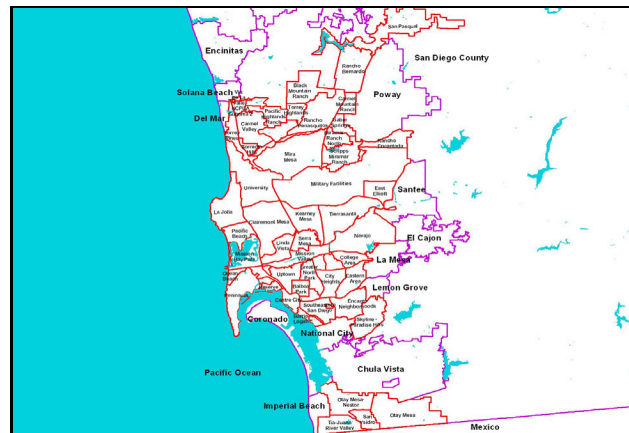
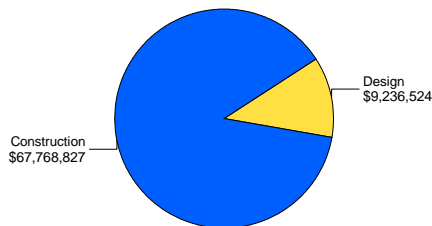
Justification: This project is necessary to ensure that future water demands are met in the Alvarado Community.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the City's Progress Guide and General Plan.

Scheduling: Design is estimated to begin in Fiscal Year 2009 and to be completed in Fiscal Year 2009. Construction is estimated to begin in Fiscal Year 2010 and to continue through Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		3,000					1,969,373
Total		3,000					1,969,373
Work Codes		C					D
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	7,267,151	15,240,107	39,433,477	12,773,883	318,360		77,005,351
Total	7,267,151	15,240,107	39,433,477	12,773,883	318,360		77,005,351
Work Codes	D	C	C	C	C		

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

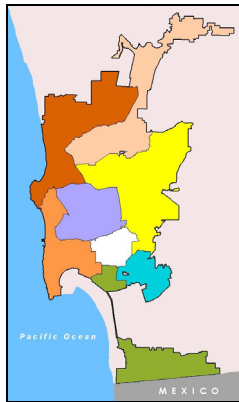
Phone: 619-533-4157

Water

Municipal Water

73-352.0 Flow Meters - Pump Stations and Pressure Reduction Stations with SCADA

Council District: Citywide **Community Plan:** Citywide



Description: This project provides for installing flow meters throughout the water distribution system to monitor water flows.

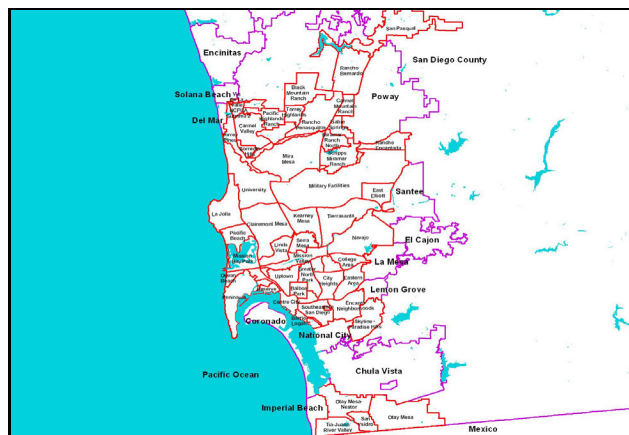
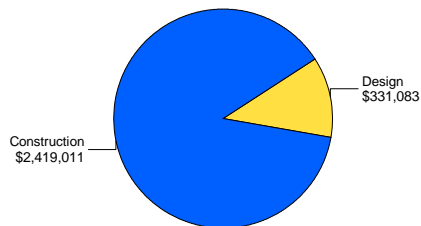
Justification: This project is necessary to provide adequate data to manage the distribution of water within the City's pump stations and pressure reduction stations. These flow meters will be connected to the City's SCADA system.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design is scheduled to begin in Fiscal Year 2009 and to be completed in Fiscal Year 2010. Construction is scheduled to begin in Fiscal Year 2011 and continue through Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	292,841	38,242	2,292,013	60,725	47,968	18,305	2,750,094
Total	292,841	38,242	2,292,013	60,725	47,968	18,305	2,750,094
Work Codes	D	D	C	C	C	C	

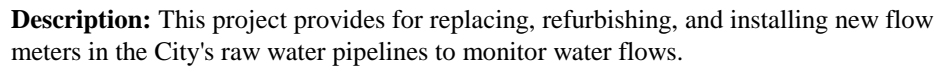
Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

73-351.0 Flow Meters - Raw Water Pipelines

Community Plan: Citywide



Operating Budget Effect: The operating budget effect is estimated to be minimal.

Scheduling: Design is scheduled to begin in Fiscal Year 2008 and to be completed in Fiscal Year 2009. Construction is scheduled to begin in Fiscal Year 2010 and continue through Fiscal Year 2014.

A detailed map of San Diego County, California, highlighting military facilities. The map shows the coastline of the Pacific Ocean to the west and south, with major cities like Encinitas, San Diego, and Imperial Beach labeled. Numerous military facilities are marked with red dots and labels, including the Naval Air Station, Marine Corps Air Station, and various missile and aircraft squadrons. The map also shows the borders of San Diego County and the state of California.

Phone: 619-533-4157

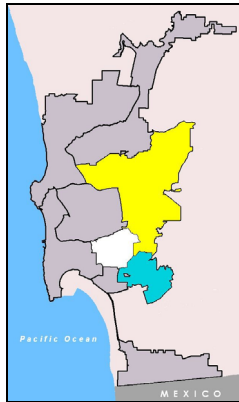
Water

Municipal Water

70-962.0 Genetic Algorithm Pipeline Replacement

Council District: 3, 4, 7

Community Plan: Greater North Park, Mid-City, Navajo, Skyline/Paradise Hills



Description: This project provides for the rehabilitation of pipelines for the Alvarado subarea to meet peak demand conditions projected for the Year 2030.

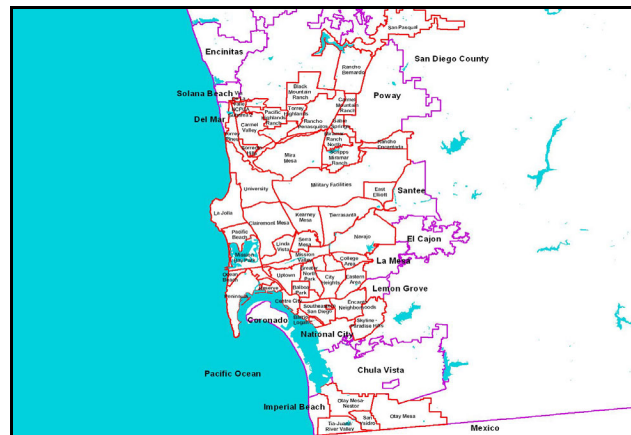
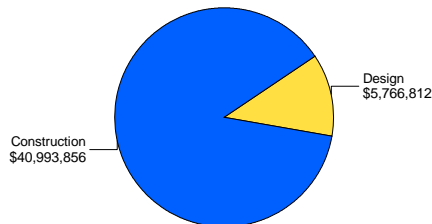
Justification: Increasing demands for water throughout the City dictate the need to better control water pressure throughout the City's system. This allocation will fund continued replacement and expansion of these facilities.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the City's Progress Guide and General Plan.

Scheduling: Design is scheduled to begin in Fiscal Year 2010 and to be completed in Fiscal Year 2011. Construction is anticipated to begin in Fiscal Year 2012 and continue through Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R		5,113,620	653,192	6,603,555	28,568,911	5,821,390	46,760,668
Total		5,113,620	653,192	6,603,555	28,568,911	5,821,390	46,760,668
Work Codes		D	D	C	C	C	

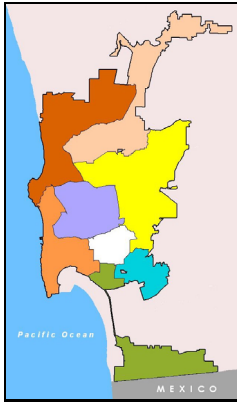
Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

75-932.0 Groundwater Asset Development Program

Council District: Citywide **Community Plan:** Citywide



Description: This project provides for investigative work related to legal, technical, regulatory, institutional and water quality issues in order to find the most effective ways to increase the local water supply.

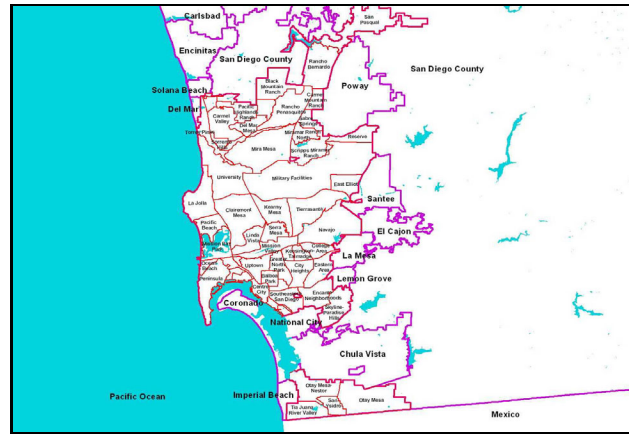
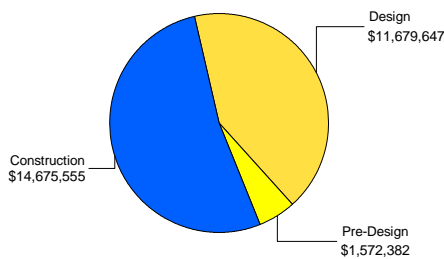
Justification: The City imports 90% of its water from the Colorado River and the State Water Project. The City has access to nine under-utilized groundwater assets that could be developed to supply new yield, seasonal storage or carryover storage.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Research, design, and development began in Fiscal Year 2001 and will continue through Fiscal Year 2004. They will resume in Fiscal Year 2008. Construction is scheduled to begin in Fiscal Year 2011.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		4,466,000	400,000				1,572,382
Total		4,466,000	400,000				1,572,382
Work Codes		D	D				P
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	2,620,633	4,193,014	7,337,777	7,337,778			27,927,584
Total	2,620,633	4,193,014	7,337,777	7,337,778			27,927,584
Work Codes	D	D	C	C			

Contact: Sam Gray

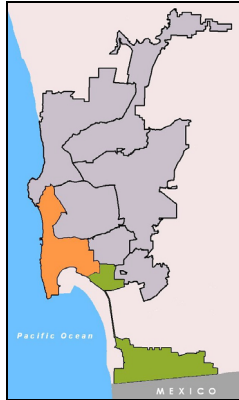
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
70-957.0 Harbor Drive Pipeline

Council District: 2, 8

Community Plan: Ocean Beach, Old San Diego, Peninsula, Centre City



Description: This project is to replace 15 miles of pipeline along Harbor Drive.

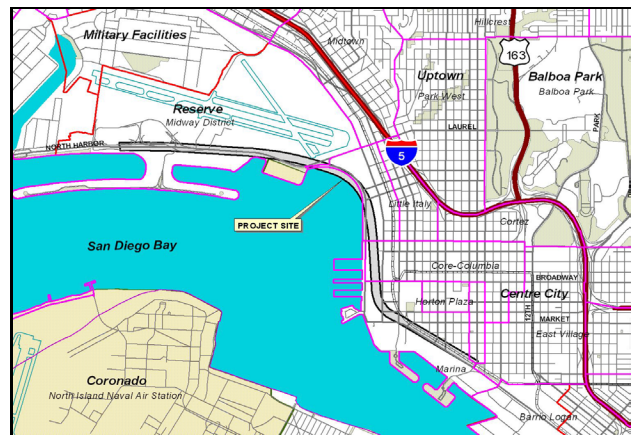
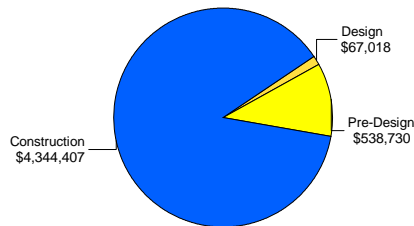
Justification: These improvements are necessary to prevent water pipe breaks and to ensure continuous water supply to the Ocean Beach and Peninsula community planning areas.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: The project is consistent with the affected community planning areas and is in conformance with the City's Progress Guide and General Plan.

Scheduling: The project is scheduled to begin design in Fiscal Year 2008 and to be completed in Fiscal Year 2010. Construction is estimated to begin in Fiscal Year 2010 and to be completed in Fiscal Year 2013.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							538,730
Total							538,730
Work Codes							P
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	67,018	4,159,626	108,869	68,424	7,488		4,950,155
Total	67,018	4,159,626	108,869	68,424	7,488		4,950,155
Work Codes	D	C	C	C	C		

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
70-961.0 Kearny Mesa Pipeline Upgrade

Council District: 6

Community Plan: Kearny Mesa

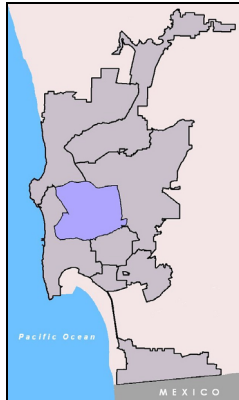
Description: This project provides for the replacement of the Kearny Mesa Pipeline.

Justification: This upgrade is necessary to prevent water pipe breaks, and to assure a continuous water supply to the Kearny Mesa community.

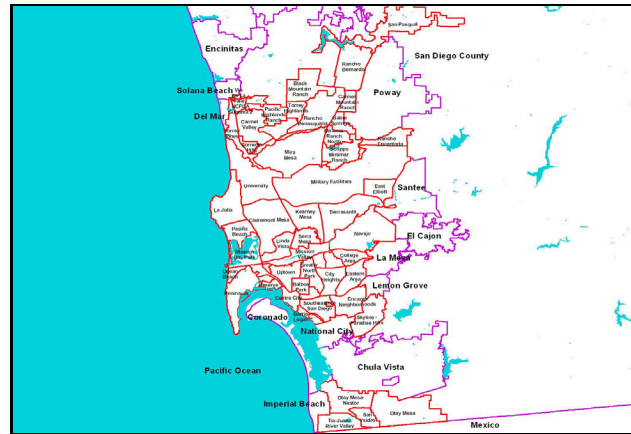
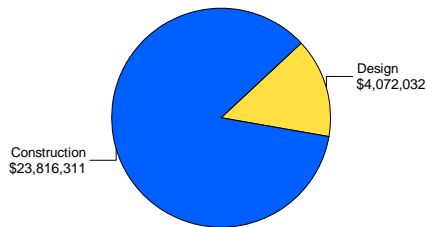
Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the City's Progress Guide and General Plan.

Scheduling: Design is estimated to begin in Fiscal Year 2011 and continue through Fiscal Year 2012. Construction is scheduled to begin in Fiscal Year 2013.



**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R			1,609,921	2,462,111	7,766,340	16,049,971	27,888,343
Total			1,609,921	2,462,111	7,766,340	16,049,971	27,888,343
Work Codes			D	D	C	C	

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

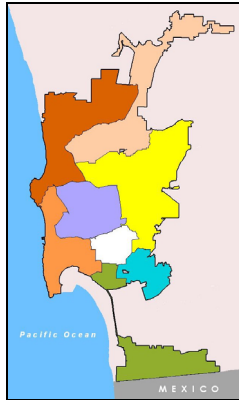
Water

Municipal Water

73-343.0 Lower Otay Reservoir - Emergency Outlet Improvements

Council District: None

Community Plan: No Community Planning Area



Description: This project provides for increased draw-down capability by installing dual 48-inch drain pipes through the existing auxiliary spillway bulkheads and intake screens on the upstream end. The length of each pipe will be 70 feet.

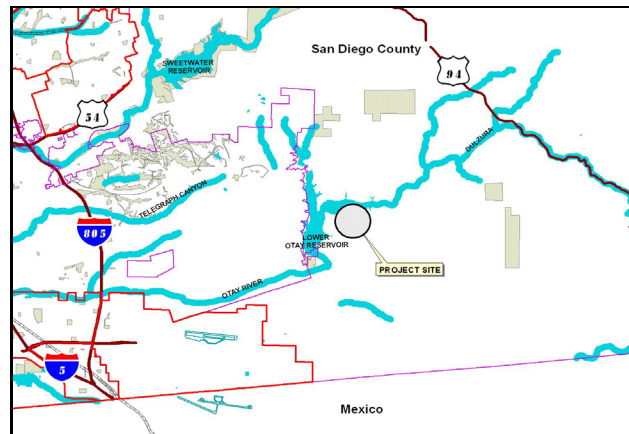
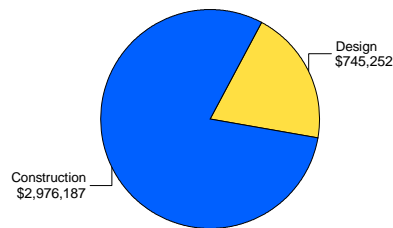
Justification: The State Department of Safety of Dams requires an emergency draw-down capability of 10% of reservoir capacity in ten days. Lower Otay Reservoir (backed up by Savage Dam) requires 56 days for 10% draw down. This presents a risk of dam failure.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2001. Construction is scheduled to begin in Fiscal Year 2009 and be completed in Fiscal Year 2012.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		681,019					
Total		681,019					
Work Codes		D					
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	64,433	797,623	2,139,358	39,006			3,721,439
Total	64,433	797,623	2,139,358	39,006			3,721,439
Work Codes	CD	C	C	C			

Contact: Sam Gray

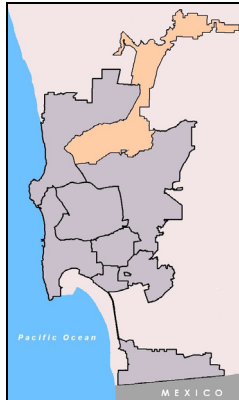
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

70-910.5 Miramar Pipeline Improvements - Phase III

Council District: 5

Community Plan: Mira Mesa



Description: This project provides for replacing or rehabilitating 14,400 linear feet of existing 51-inch diameter prestressed concrete cylinder pipe on Mira Mesa Boulevard between Stadium Street and Westonhill Drive. A pipeline condition assessment will be performed prior to initiating design.

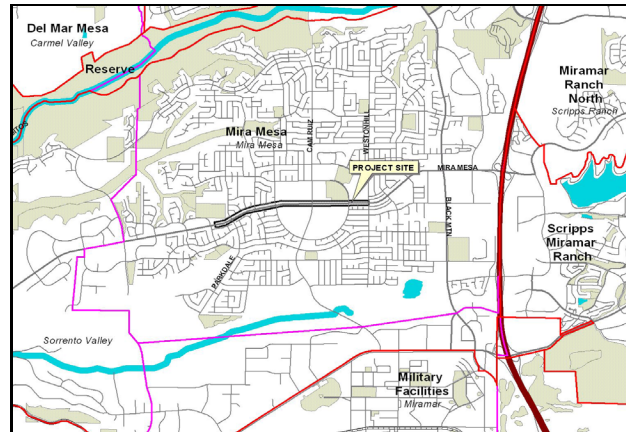
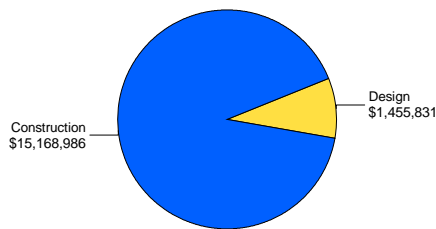
Justification: These improvements are necessary to prevent water pipe breaks, and to assure a continuous water supply to the Mira Mesa Community.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the Mira Mesa Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Preliminary planning and design began in Fiscal Year 1994 and were completed in Fiscal Year 2001. Design began in Fiscal Year 2003 and is scheduled to be completed in Fiscal Year 2005 following construction of the Black Mountain Road Pipeline projects (CIP 70-945.0 and CIP 73-341.0). Construction is scheduled to begin in Fiscal Year 2006 and be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		111,979	115,204	1,228,648	96,532	1,969,892	8,437,371
Total		111,979	115,204	1,228,648	96,532	1,969,892	8,437,371
Work Codes		D	D	D	C	C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	4,589,643	75,548					16,624,817
Total	4,589,643	75,548					16,624,817
Work Codes	C	C					

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

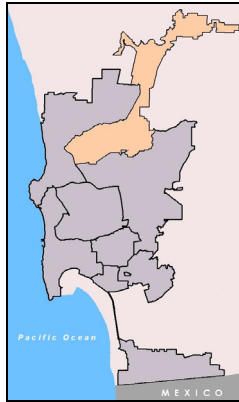
Water

Municipal Water

70-910.6 Miramar Pipeline Improvements - Phase IV

Council District: 5

Community Plan: Mira Mesa



Description: This project provides for replacing or rehabilitating 12,470 linear feet of existing 51-inch diameter prestressed concrete cylinder pipe along Mira Mesa Boulevard and Scripps Lake Drive. The decision to replace or rehabilitate will be made based on a condition assessment of the pipeline including a physical inspection. The revision is consistent with the Water Financing Plan as approved by the City Council on April 30, 2002, per Resolution R-296437.

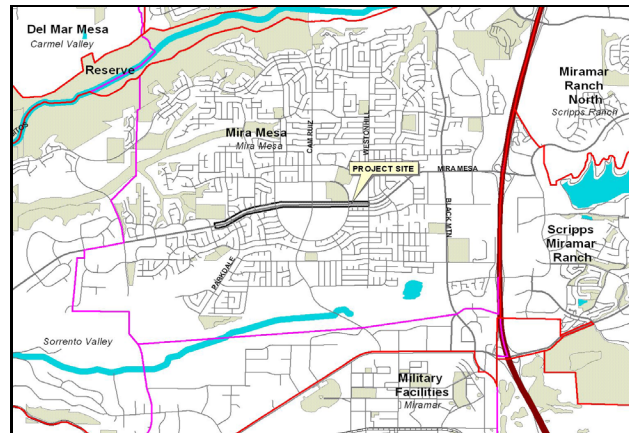
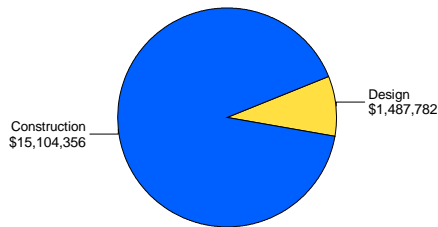
Justification: These improvements are necessary to prevent water pipe breaks and to assure a continuous water supply to the Mira Mesa Community.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the Mira Mesa Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Preliminary design began in Fiscal Year 1994 and was completed in Fiscal Year 2001. Design is scheduled to begin in Fiscal Year 2005 and to be completed in Fiscal Year 2006, following construction of the Black Mountain Road Pipeline projects (CIP 70-945.0 and CIP 73-341.0). Construction is scheduled to begin in Fiscal Year 2007 and be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		1,800	155,943	1,231,078	98,961	954,792	10,511,083
Total		1,800	155,943	1,231,078	98,961	954,792	10,511,083
Work Codes		D	D	D	D	C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	3,577,609	60,872					16,592,138
Total	3,577,609	60,872					16,592,138
Work Codes	C	C					

Contact: Sam Gray

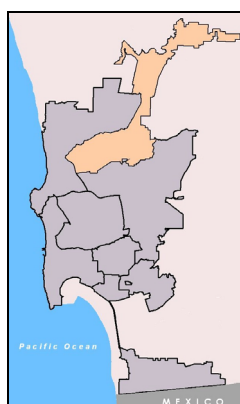
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

73-284.0 Miramar Water Treatment Plant - Upgrade and Expansion

Council District: 5

Community Plan: Scripps Miramar Ranch



Description: This project provides for expanding the capacity of the Miramar Water Treatment Plant and upgrading the existing facilities.

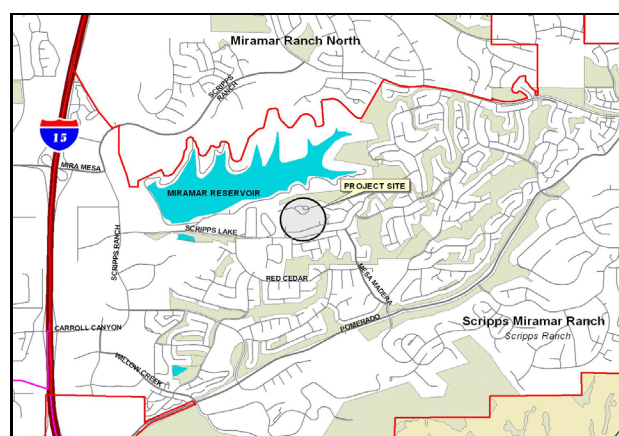
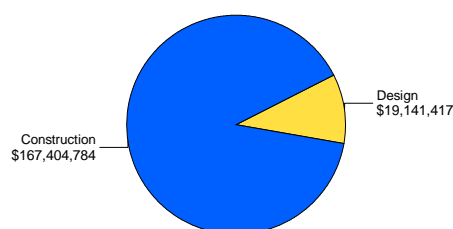
Justification: The Safe Drinking Water Act dictates the need to upgrade the existing treatment plant. Also, increasing demands on the plant by the rapidly growing North City area necessitate its expansion.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the Scripps Miramar Ranch Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 1997 and was completed in Fiscal Year 2002. Construction began in Fiscal Year 2001 and is scheduled to be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			14,387,000				
WATER-E	11,252,562	1,688,834	4,479,993	13,171,596	11,042,119	8,287,716	7,094,980
WATER-R	21,843,210	3,278,324	8,696,457	25,568,393	21,434,703	16,087,918	13,772,608
Total	33,095,772	4,967,158	27,563,450	38,739,989	32,476,822	24,375,634	20,867,588
Work Codes	CD	C	C	C	C	C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							14,387,000
WATER-E	1,509,631	6,697					58,534,128
WATER-R	2,930,460	13,000					113,625,073
Total	4,440,091	19,697					186,546,201
Work Codes	C	C					

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Phone: 619-533-4157

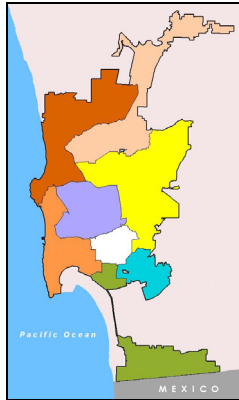
Water

Municipal Water

73-321.0 Morena Reservoir Outlet Tower Upgrade

Council District: None

Community Plan: No Community Planning Area



Description: This project provides for upgrading the electrical system and replacing the outlet tower pipes, valves, and platforms. It also provides for rehabilitating a grotto that has formed and extends under the dam.

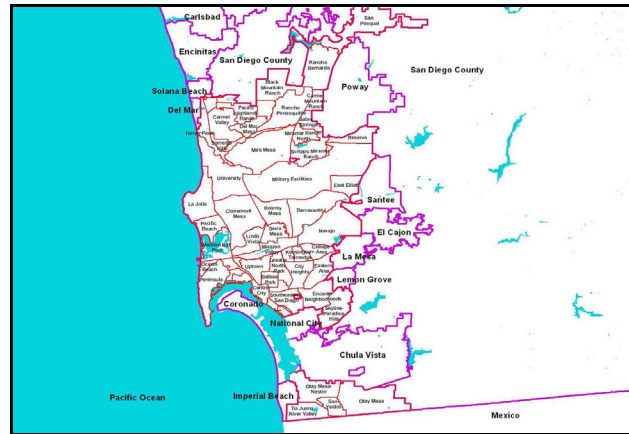
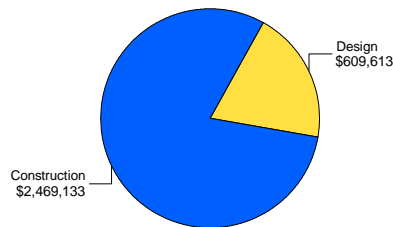
Justification: The aging outlet tower components are in need of replacement for safety and ease of operation. Furthermore, the electrical system needs to be upgraded to meet current standards, provide better control, and provide safety and better accessibility. Grotto rehabilitation is required for dam safety.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2001 and was completed in Fiscal Year 2003. Construction is scheduled to begin in Fiscal Year 2007 and be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		609,613				13,724	2,366,502
Total		609,613				13,724	2,366,502
Work Codes		D				C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	61,460	27,447					3,078,746
Total	61,460	27,447					3,078,746
Work Codes	C	C					

Contact: Sam Gray

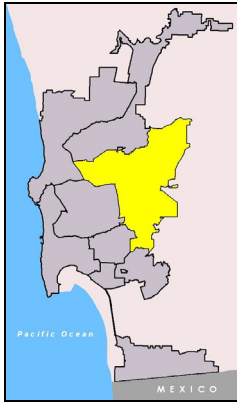
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
73-915.0 Murray Outlet Tower

Council District: 7

Community Plan: Navajo



Description: This project provides for retrofitting the interior of the Lake Murray outlet tower.

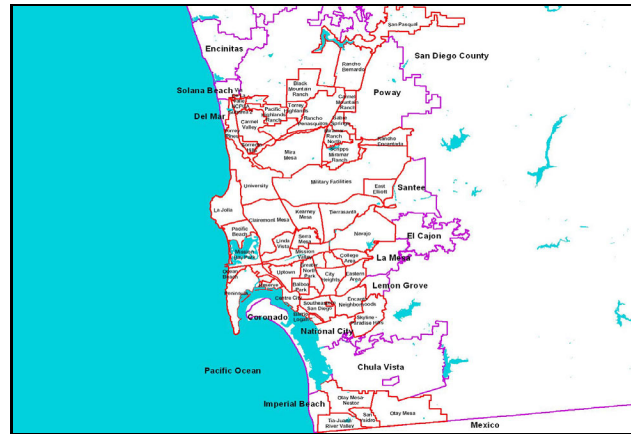
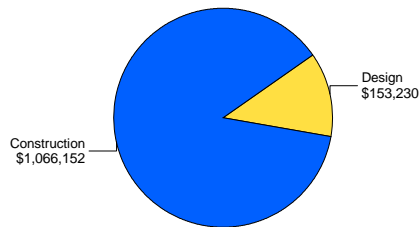
Justification: The aging outlet tower components are in need of replacement for safety and ease of operation.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the City's Progress Guide and General Plan.

Scheduling: The design is scheduled to begin in Fiscal Year 2011 and to continue through Fiscal Year 2012. Construction is scheduled to begin in Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R			135,859	17,371	1,038,796	27,356	1,219,382
Total			135,859	17,371	1,038,796	27,356	1,219,382
Work Codes			D	D	C	C	

Contact: Sam Gray

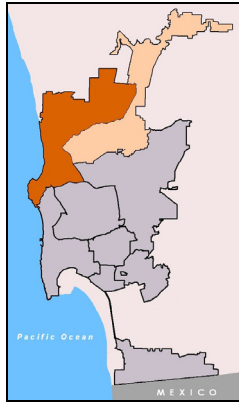
E-Mail: sgray@sanidiego.gov

Phone: 619-533-4157

Water
Municipal Water
70-963.0 North City Pipeline Improvements

Council District: 1, 5

Community Plan: Citywide



Description: Construction of the 610 zone improvements will be done to improve the City's water infrastructure for the North City area.

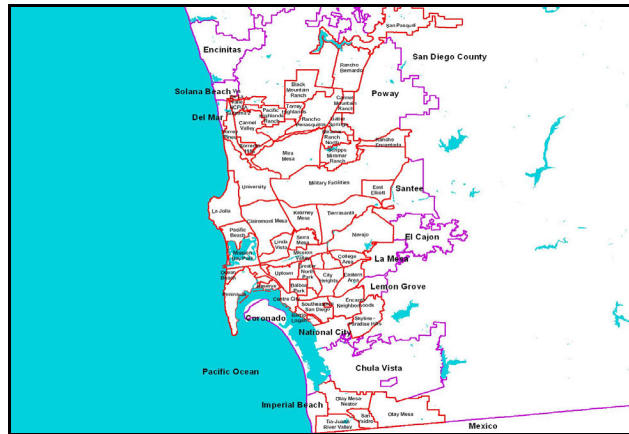
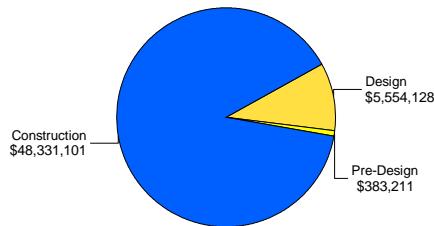
Justification: Future growth for the North City makes it important to expand water infrastructure needed to improve the City's current hydraulic deficiencies and to meet future water demands.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the Black Mountain Ranch, Carmel Mountain Ranch, Carmel Valley, Fairbanks Country Club, La Jolla, Miramar Ranch North, Pacific Highlands Ranch, Rancho Bernardo, Rancho Penasquitos, Sabre Springs, Scripps Miramar Ranch, Torrey Highlands, Torrey Pines, and Via de la Valle community plans and the Los Penasquitos Canyon Preserve plan. It is in conformance with the City's Progress Guide and General Plan.

Scheduling: Initial planning work began in Fiscal Year 2003 and will continue through Fiscal Year 2004. Design is scheduled to begin in Fiscal Year 2008 and construction is anticipated to begin in Fiscal Year 2009 and be completed in Fiscal Year 2013.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		207,996	175,215				5,554,128
Total		207,996	175,215				5,554,128
Work Codes		P	P				D
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	143,079	9,486,513	31,673,689	6,800,421	227,399		54,268,440
Total	143,079	9,486,513	31,673,689	6,800,421	227,399		54,268,440
Work Codes	C	C	C	C	C		

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

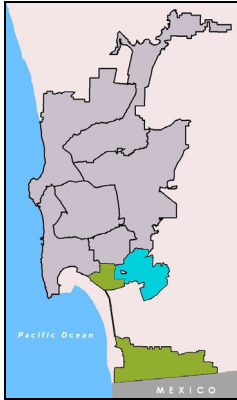
Phone: 619-533-4157

Water Municipal Water

73-286.0 Otay Second Pipeline Improvements

Council District: 4, 8

Community Plan: Skyline/Paradise Hills, Southeastern San Diego



Description: This project provides for evaluating the condition of existing pipelines and for making appropriate upgrades and replacements to the pipeline south of State Route 94.

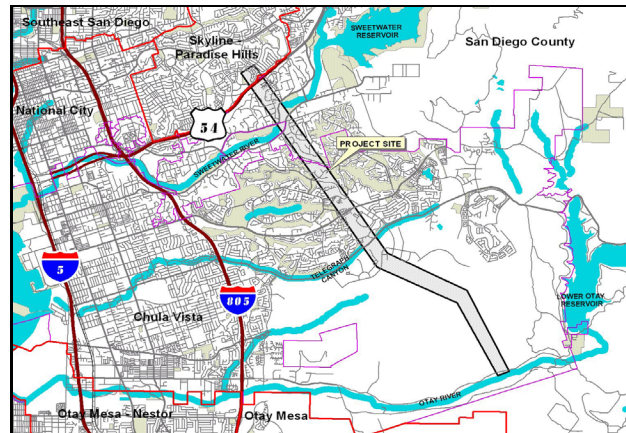
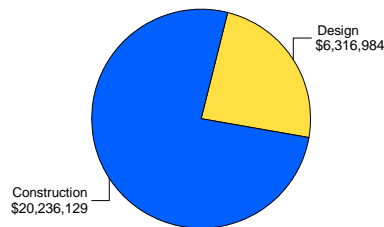
Justification: This pipeline was originally installed in 1928, and has exceeded its useful life expectancy of sixty years. Breaks in the pipeline have revealed severe pipe corrosion in certain locations.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the Skyline/Paradise Hills and Southeastern San Diego Community Plans, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Engineering studies and design began in Fiscal Year 1999 and were completed in Fiscal Year 2003. Construction is scheduled to begin in Fiscal Year 2004 and be completed in Fiscal Year 2009. However, this scheduling is contingent on the assessed condition of the pipeline.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			439,896				
WATER-R		5,877,088	1,472,533	9,320,439	8,804,152	580,251	48,631
Total		5,877,088	1,912,429	9,320,439	8,804,152	580,251	48,631
Work Codes		D	CD	C	C	C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							439,896
WATER-R	10,123						26,113,217
Total	10,123						26,553,113
Work Codes	C						

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

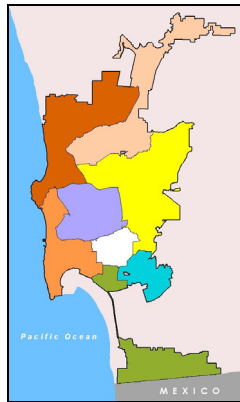
Water

Municipal Water

73-250.0 Otay Water Treatment Plant - Clearwell Storage

Council District: None

Community Plan: No Community Planning Area



Description: This project provides for installing two 6.5 million gallon clearwell storage reservoirs at the Otay Water Treatment Plant.

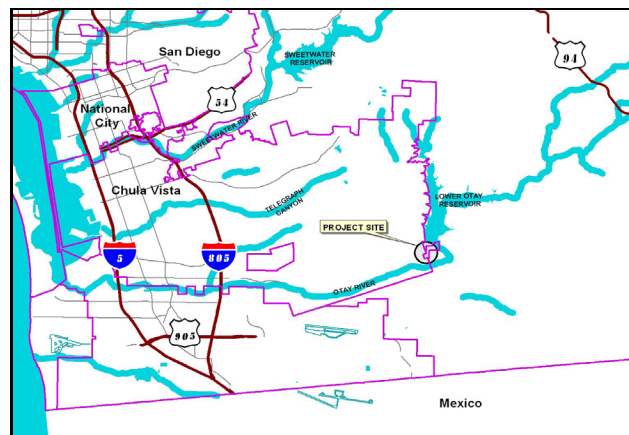
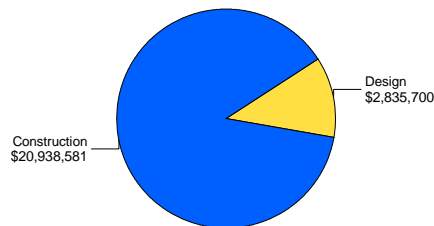
Justification: Additional clearwell storage capacity is needed to meet the anticipated future peak water demands in the southern San Diego area and enhance operational flexibility.

Operating Budget Effect: See the operating budget effect table.

Relationship to General and Community Plans: This project is consistent with the Otay Mesa Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2000 and was completed in Fiscal Year 2002. Construction began in Fiscal Year 2003 and will be completed in Fiscal Year 2006.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			10,847,137				
WATER-R	1,561,921	4,438,491	586,308	6,289,441	50,983		
Total	1,561,921	4,438,491	11,433,445	6,289,441	50,983		
Work Codes	CD	CD	C	C	C		

Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							10,847,137
WATER-R							12,927,144
Total							23,774,281
Work Codes							

Operating Budget Effect				
Fiscal Year 2004	Operating Costs	Maintenance Costs	Other Department	Total
Staffing	-	-	-	-
PE	\$ 5,200	\$ -	\$ -	\$ 5,200
NPE	\$ 7,800	\$ -	\$ -	\$ 7,800
Total Impact	\$ 13,000	\$ -	\$ -	\$ 13,000

Contact: Sam Gray

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Phone: 619-533-4157

73-322.0 Otay Water Treatment Plant - Raw Water Pump Operational Conversion

Council District: None

Community Plan: No Community Planning Area

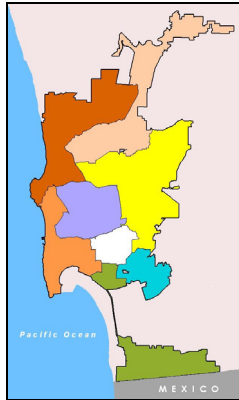
Description: This project provides for upgrading the raw water pump station to meet maximum daily demand.

Justification: This project will allow the pump station to provide sufficient water for the treatment plant to operate at its maximum capacity.

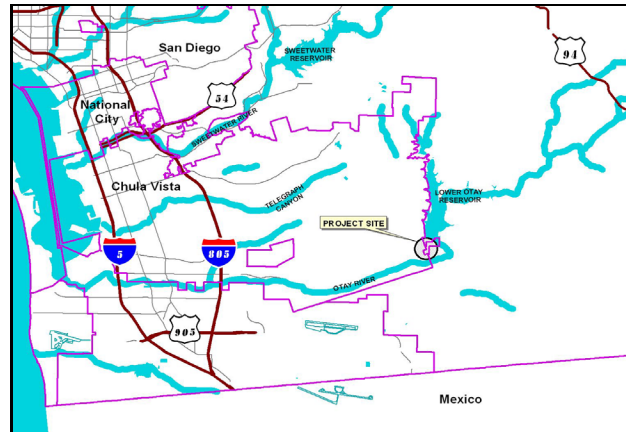
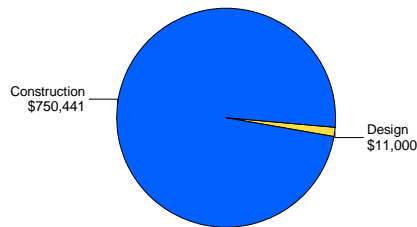
Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2002 and was completed in Fiscal Year 2003. Construction began in Fiscal Year 2003 and will be completed in Fiscal Year 2005.



**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			103,500				
WATER-R	178,022	442,846	34,474	2,599			
Total	178,022	442,846	137,974	2,599			
Work Codes	CD	C	C	C			

Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							103,500
WATER-R							657,941
Total							761,441
Work Codes							

Contact: Sam Gray

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Phone: 619-533-4157

Water

Municipal Water

73-285.0 Otay Water Treatment Plant - Upgrade - Phase II

Council District: None

Community Plan: No Community Planning Area

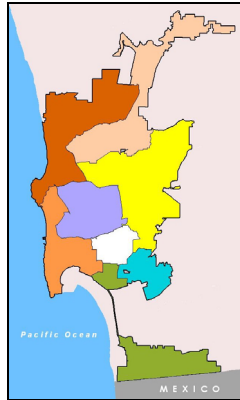
Description: This project provides for upgrading the treatment processes at the Otay Water Treatment Plant to comply with the Safe Drinking Water Act standards.

Justification: New standards required by the Safe Drinking Water Act dictate the need to upgrade the existing water treatment plant standards.

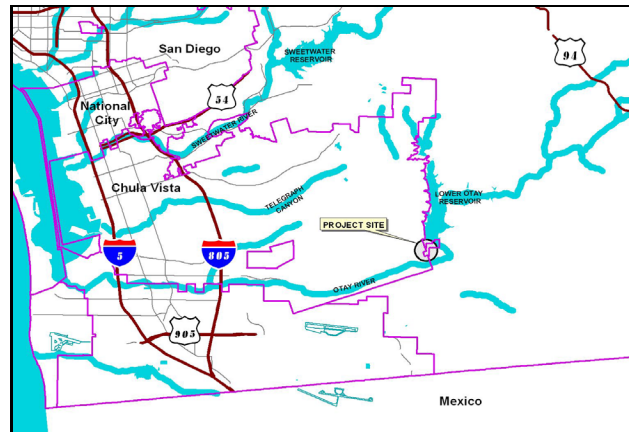
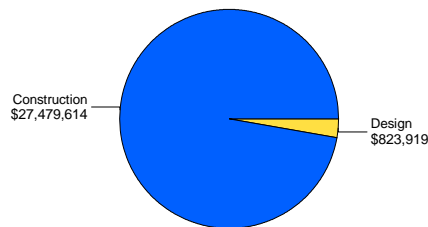
Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2001 and was completed in Fiscal Year 2003. Construction is scheduled to begin in Fiscal Year 2004 and be completed in Fiscal Year 2009. Additional design is scheduled to begin in Fiscal Year 2014.



**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R	2,943,299	1,773,895	317,356	1,908,976	10,529,643	5,428,329	4,885,248
Total	2,943,299	1,773,895	317,356	1,908,976	10,529,643	5,428,329	4,885,248
Work Codes	CD	C	C	C	C	C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	119,697					397,090	28,303,533
Total	119,697					397,090	28,303,533
Work Codes	C					D	

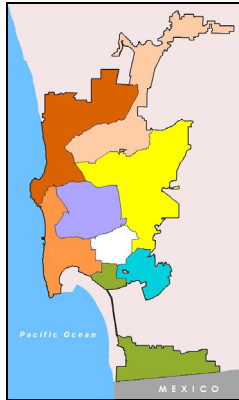
Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

75-934.0 Outlet Tower Silt Removal and Management

Council District: Citywide **Community Plan:** Citywide



Description: This project will remove silt and other deposits that have collected on the floor of the City's various reservoirs.

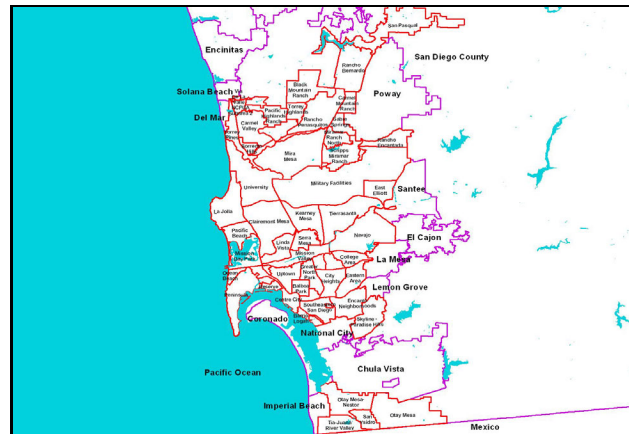
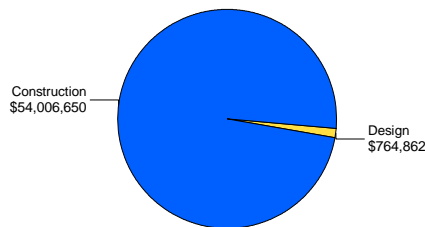
Justification: This project will allow greater storage capacity in the City's reservoirs.

Operating Budget Effect: The operating budget effect will be determined upon completion of the design.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design is scheduled to begin and be completed in Fiscal Year 2010. Construction is anticipated to begin in Fiscal Year 2011 and continue through Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R		764,862	6,006,133	10,279,994	28,744,808	8,975,715	54,771,512
Total		764,862	6,006,133	10,279,994	28,744,808	8,975,715	54,771,512
Work Codes		D	C	C	C	C	

Contact: Sam Gray

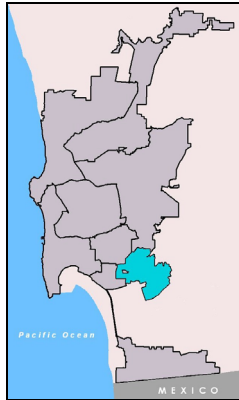
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
73-346.0 Parkland Pump Station

Council District: 4

Community Plan: Skyline/Paradise Hills



Description: This project provides for upgrading the existing pump stations to better meet current and future water distribution needs in the Paradise Hills area.

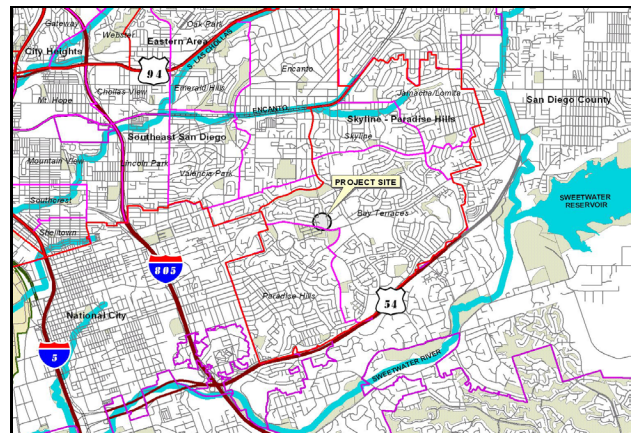
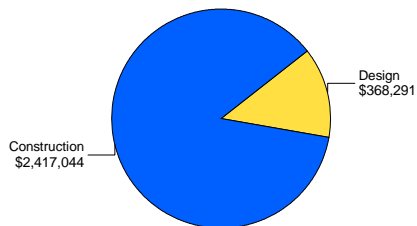
Justification: Growth and development in the Paradise Hills area have overburdened the capacity of the existing pump plants.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the Skyline/Paradise Hills Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2000 and was completed in Fiscal Year 2002. Construction is scheduled to begin in Fiscal Year 2008 and be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R	368,291	115,217					2,130,557
Total	368,291	115,217					2,130,557
Work Codes	D	C					C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	116,956	54,314					2,785,335
Total	116,956	54,314					2,785,335
Work Codes	C	C					

Contact: Sam Gray

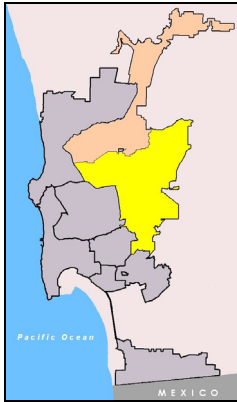
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water
Municipal Water
73-248.0 Pomerado Pipeline Number 2

Council District: 5, 7

Community Plan: Scripps Miramar Ranch, Tierrasanta



Description: This project provides for purchasing the existing Pomerado Pipeline, which is routed between the Miramar Water Treatment Plant and the Tierrasanta area, from the San Diego County Water Authority.

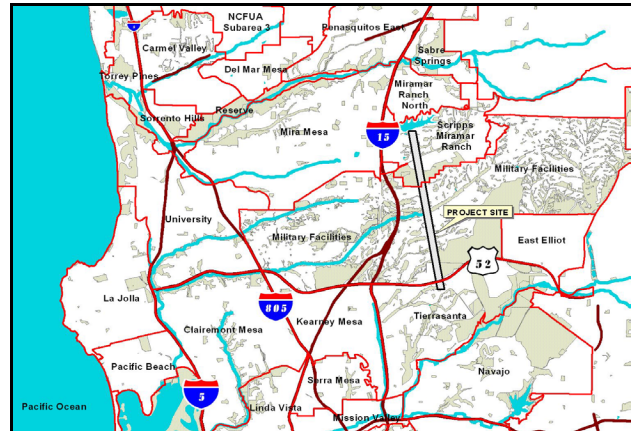
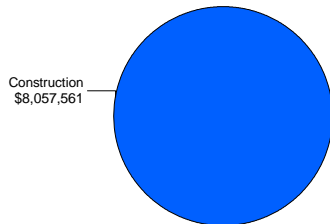
Justification: The City presently purchases imported filtered water from the County Water Authority for the Shepherd Canyon Pipeline. Anticipated demands on County Water Authority's filtered water pipeline will create a shortfall for the Shepherd Canyon connection. The shortfall would have to be mitigated by County Water Authority pumping treated water into its aqueduct from the Miramar Filtration Plant. The City would pay a proportionate share of the pumping cost, estimated at \$500,000 annually, for water taken at the connection. Pomerado Pipeline Number 2 will allow the City to disconnect from the County Water Authority aqueduct for all but emergency purposes.

Operating Budget Effect: See the operating budget effect table.

Relationship to General and Community Plans: This project is consistent with the Scripps Miramar Ranch and Tierrasanta Community Plans, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Acquisition of this pipeline is scheduled to begin in Fiscal Year 2009 completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							
Total							
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	11,164	8,046,397					8,057,561
Total	11,164	8,046,397					8,057,561
Work Codes	C	C					

Operating Budget Effect						
Fiscal Year 2010	Operating Costs	Maintenance Costs	Other Department		Total	
Staffing	-	-	-		-	
PE	\$ 2,100	\$ -	\$ -	\$	2,100	
NPE	\$ 516,900	\$ -	\$ -	\$	516,900	
Total Impact	\$ 519,000	\$ -	\$ -	\$	519,000	

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water Municipal Water

73-342.0 Rancho Bernardo Pump Station Number 2

Council District: 1, 5

Community Plan: Mira Mesa, Rancho Penasquitos

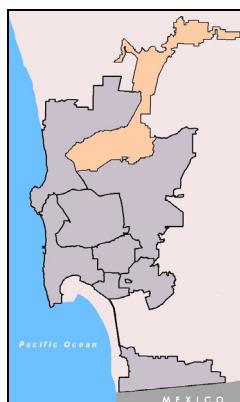
Description: This project provides for the construction of a new water pump station.

Justification: This plant is required to deliver treated water from the Miramar Water Treatment Plant to the service area. This delivery of Miramar Water Treatment Plant water will reduce dependency on imported filtered water and will support future development and growth.

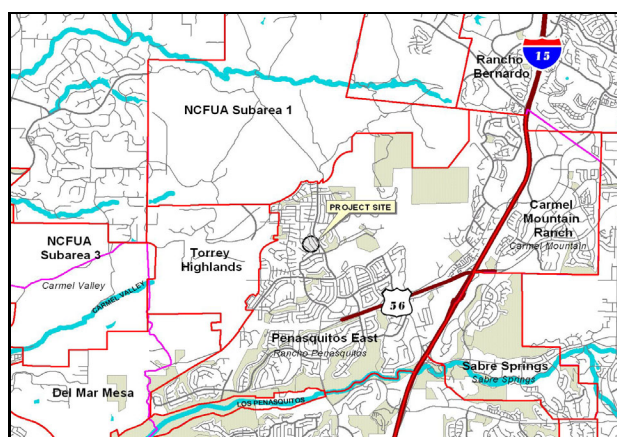
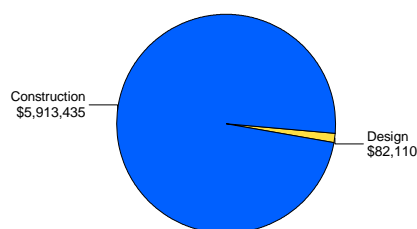
Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the Rancho Penasquitos and Mira Mesa Community Plans, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design was completed in Fiscal Year 2001. Construction is scheduled to begin in Fiscal Year 2006 and be completed in Fiscal Year 2009.



**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R	82,110		593,656		1,239,156	2,050,362	10,404
Total	82,110		593,656		1,239,156	2,050,362	10,404
Work Codes	D		C		C	C	C

Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	5,223						3,980,911
Total	5,223						3,980,911
Work Codes	C						

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

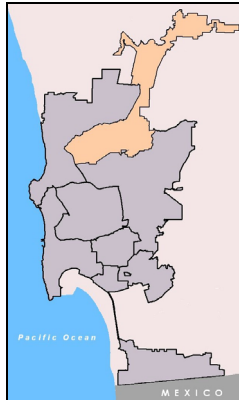
Water

Municipal Water

73-328.0 Rancho Bernardo Reservoir Rehabilitation

Council District: None

Community Plan: No Community Planning Area



Description: This project will replace the ten million gallon concrete reservoir with two five million gallon pre-stressed circular tanks.

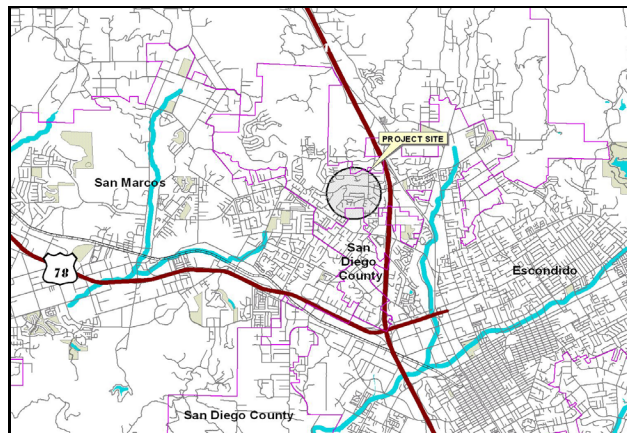
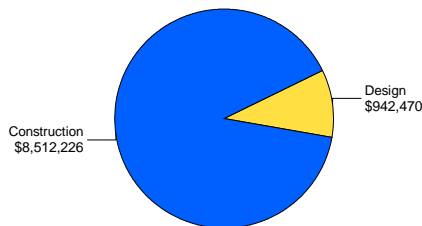
Justification: This rehabilitation project will extend the service life of the existing reservoir and reduce the maintenance required to keep it in safe operating condition.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the Rancho Bernardo Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2000, and is scheduled to be completed in Fiscal Year 2004. Construction is scheduled to begin in Fiscal Year 2005 and be completed in Fiscal Year 2007.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R	33,549	908,921		4,044,557	4,439,938	27,731	
Total	33,549	908,921		4,044,557	4,439,938	27,731	
Work Codes	D	D		C	C	C	
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R							9,454,696
Total							9,454,696
Work Codes							

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

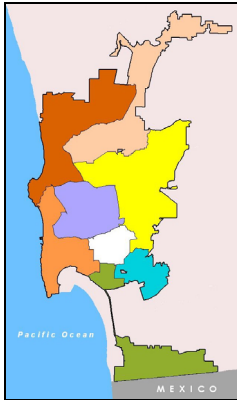
Phone: 619-533-4157

Water Municipal Water

73-291.0 Reservoir Water Quality Systems

Council District: None

Community Plan: No Community Planning Area



Description: This project provides for improvements to enhance water quality at the San Vicente Reservoir, Otay Reservoir and El Capitan Reservoir.

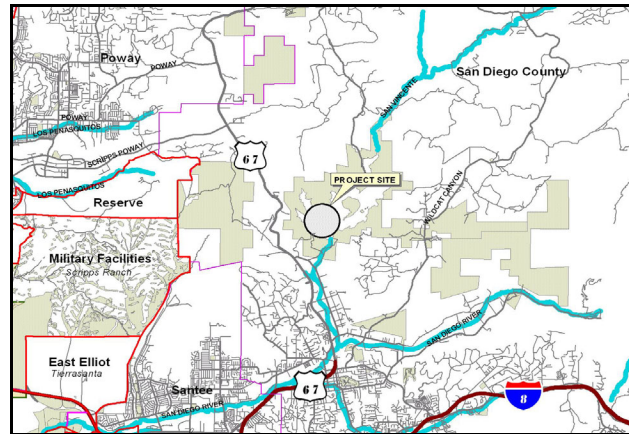
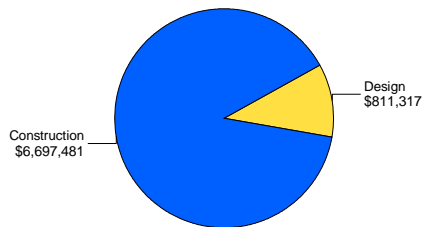
Justification: Source contaminants from unprotected watersheds contaminate raw water storage, degrading water quality. This degradation places greater burden on the water treatment process. Also, quality of stored water degrades as time passes. Once appropriate technology is identified for enhancing the degraded lake water quality, this project will implement the technology.

Operating Budget Effect: See the operating budget effect table.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2001 and will be completed in Fiscal Year 2004. Construction is scheduled to begin in Fiscal Year 2008 and will continue through Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R	650,517	160,800					1,349,577
Total	650,517	160,800					1,349,577
Work Codes	D	D					C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	1,068,323	1,349,396	35,194	258,212	24,677	2,612,102	7,508,798
Total	1,068,323	1,349,396	35,194	258,212	24,677	2,612,102	7,508,798
Work Codes	C	C	C	C	C	C	

Operating Budget Effect							
Fiscal Year	Operating	Maintenance	Other	Total			
2005	Costs	Costs	Department				
Staffing	-	-	-	-			
PE	\$ 1,000	\$ -	\$ -	\$ 1,000			
NPE	\$ 1,000	\$ -	\$ -	\$ 1,000			
Total Impact	\$ 2,000	\$ -	\$ -	\$ 2,000			

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

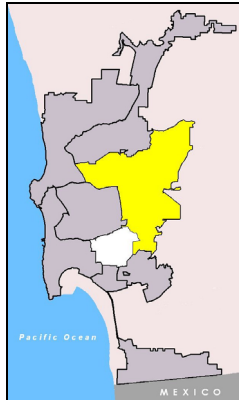
Water

Municipal Water

73-314.0 San Diego 17 Flow Control Facility and Pump Station

Council District: 3, 7

Community Plan: Mid-City, Navajo, College Area



Description: This project provides for the installation of a new water pump station at the Alvarado Water Treatment Plant to feed potable water into the County Water Authority's pipeline.

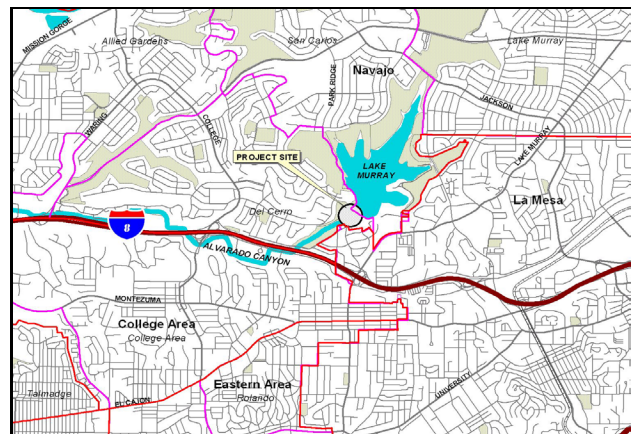
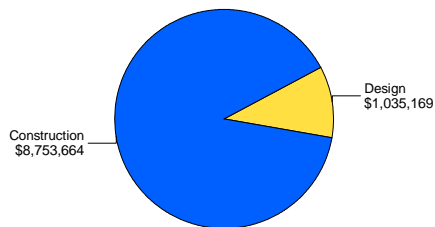
Justification: This pump plant will supply the Mid-City Pipeline project, serving the College Area and Mid-City communities.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the College Area, Mid-City and Navajo Community Plans, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 1999 and will be completed in Fiscal Year 2007. Construction will begin in Fiscal Year 2008 and will be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-E	284,070	190,163		898	899	147	1,921,171
WATER-R	333,474	223,235		1,055	1,056	172	2,255,288
Total	617,544	413,398		1,953	1,955	319	4,176,459
Work Codes	D	D		D	D	D	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-E	2,016,351	89,164					4,502,863
WATER-R	2,367,020	104,670					5,285,970
Total	4,383,371	193,834					9,788,833
Work Codes	C	C					

Contact: Sam Gray

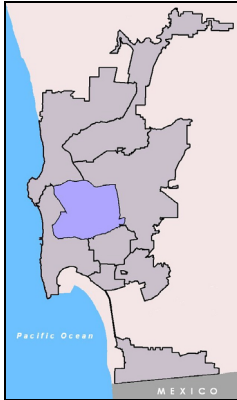
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

Water Municipal Water 73-301.0 Serra Mesa Pump Station

Council District: 6

Community Plan: Kearny Mesa, Mission Bay Park, Mission Valley, Tierrasanta



Description: This project provides for constructing a new water pump station under the Interstate 805 at Friars Road.

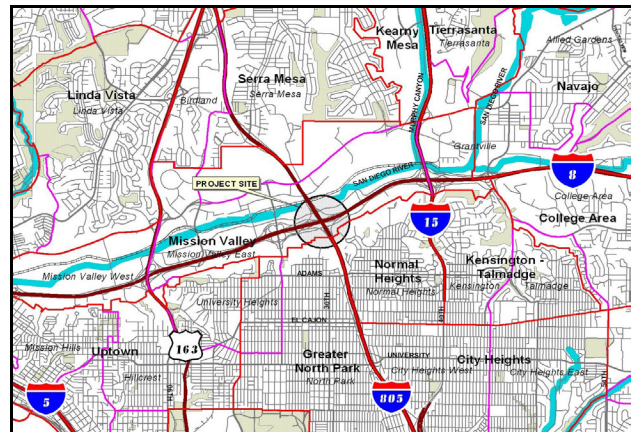
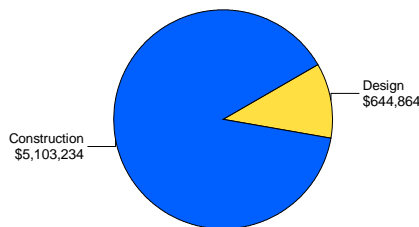
Justification: This pump plant is needed to provide additional water service to the Clairemont Mesa, La Jolla and Pacific Beach communities by pumping water from the Alvarado service area. This allows Miramar to better serve the northern portions of the City and improves system-wide flexibility.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is consistent with the Kearny Mesa, Tierrasanta and Mission Valley Community Plans, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 1999 and was completed in Fiscal Year 2001. Land acquisition occurred in Fiscal Year 2002. Construction will begin in Fiscal Year 2012 and is scheduled through Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		644,864					
Total		644,864					
Work Codes		D					
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R			232,803	2,740,473	2,105,516	24,442	5,748,098
Total			232,803	2,740,473	2,105,516	24,442	5,748,098
Work Codes			C	C	C	C	

Contact: Sam Gray

E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

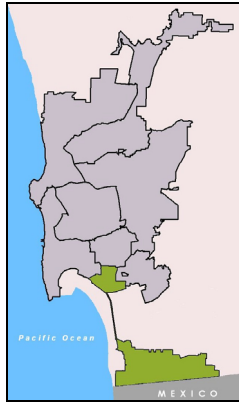
Water

Municipal Water

73-249.0 South San Diego Pipeline Number 2

Council District: 8

Community Plan: Otay Mesa/Nestor



Description: This project provides for installing an additional eleven miles of water transmission pipeline between the South San Diego Reservoir and Beyer Boulevard. This project is part of a participation agreement between the City and Stowe-Passco Development.

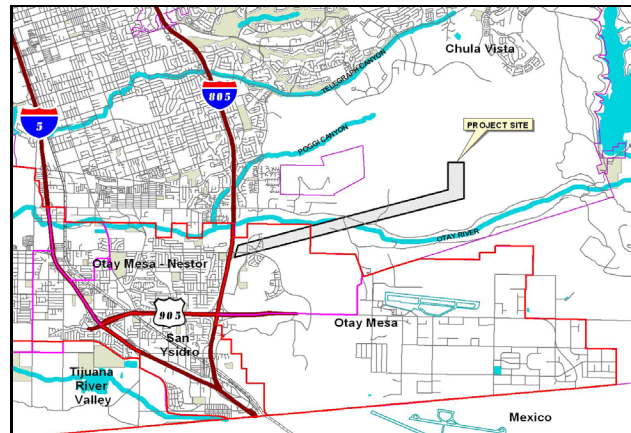
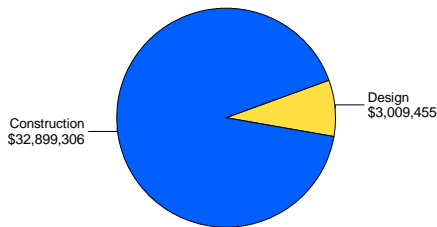
Justification: Additional capacity is needed to meet the anticipated future increased water demands in the south San Diego and Otay Mesa areas. As a substantial benefit to future development in Otay Mesa, a portion of the cost of this pipeline is anticipated to be reimbursed by benefiting developers in later years.

Operating Budget Effect: See operating budget effect table.

Relationship to General and Community Plans: This project is consistent with the Otay Mesa/Nestor Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design was completed in Fiscal Year 2001. Construction began in Fiscal Year 1999 and is scheduled to be completed in Fiscal Year 2004 with small amount of mitigation running thru Fiscal Year 2006.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR			652,956				
WATER-R	31,516,304	2,212,533	1,450,949	65,049	10,970		
Total	31,516,304	2,212,533	2,103,905	65,049	10,970		
Work Codes	CD	C	C	C	C		
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							652,956
WATER-R							35,255,805
Total							35,908,761
Work Codes							

Operating Budget Effect						
Fiscal Year 2004	Operating Costs	Maintenance Costs	Other Department	Total		
Staffing	-	-	-	-		
PE	\$ 1,050	\$ -	\$ -	\$ 1,050		
NPE	\$ 1,600	\$ -	\$ -	\$ 1,600		
Total Impact	\$ 2,650	\$ -	\$ -	\$ 2,650		

Contact: Sam Gray

E-Mail: sgray@sanidiego.gov

Phone: 619-533-4157

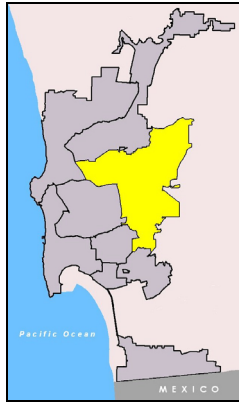
Water

Municipal Water

73-329.0 Tierrasanta Norte Water Pump Station

Council District: 7

Community Plan: Tierrasanta



Description: This project provides for installing a set of four end-suction centrifugal pumps inside the existing, unused flow control facility, and for adding roof hatches to the existing building to allow installation and removal of the pumps.

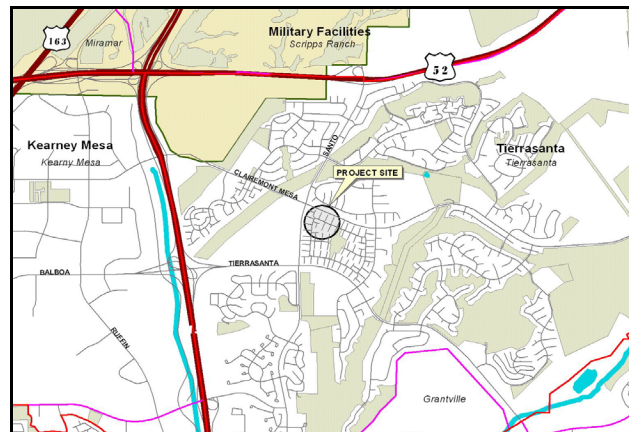
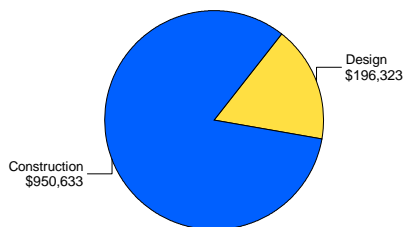
Justification: Tierrasanta Norte is currently served by the San Diego County Water Authority's imported filtered water barrel of the Second Aqueduct at a hydraulic grade line of 752 feet. This barrel is to be acquired by the City and operated as the Pomerado Pipeline Number 2 at a hydraulic grade line of 712. A new pump station is required to maintain pressure in the zone and to maintain adequate suction pressure for the Villa Dominique Pump Plant.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the Tierrasanta Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design is scheduled to begin in Fiscal Year 2008 and be completed in Fiscal Year 2009. Construction is scheduled to begin in Fiscal Year 2010 and be completed in Fiscal Year 2013.

Expenditure by Work Code Project Life



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R							74,304
Total							74,304
Work Codes							D
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	122,019	63,155	761,191	108,616	17,671		1,146,956
Total	122,019	63,155	761,191	108,616	17,671		1,146,956
Work Codes	D	C	C	C	C		

Contact: Sam Gray

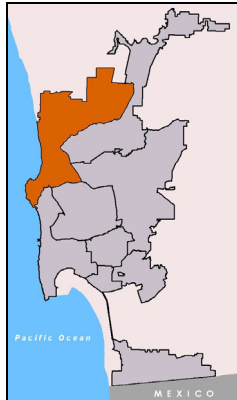
E-Mail: sgray@sandiego.gov

Phone: 619-533-4157

70-953.0 Torrey Pines Road/La Jolla Boulevard Water Main Replacement

Council District: 1

Community Plan: La Jolla



Description: This project provides for replacing approximately 31,496 linear feet of aged sixteen-inch cast iron pipe along Torrey Pines Road and La Jolla Boulevard.

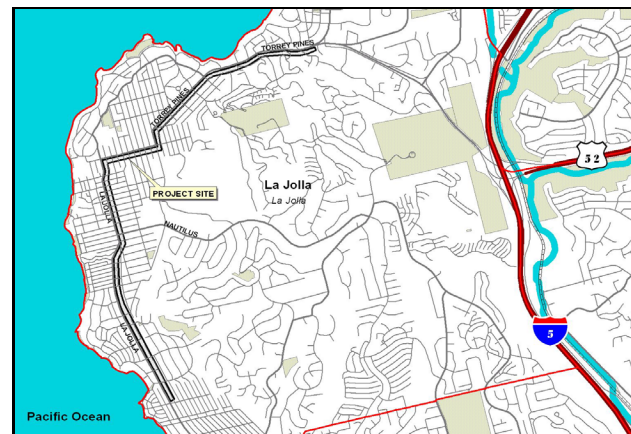
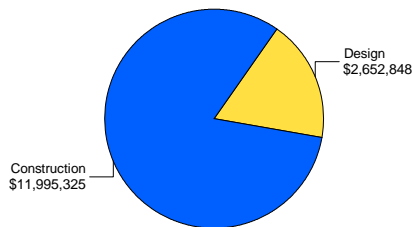
Justification: This pipeline improvement project is necessary to prevent water pipe breaks and to insure a continuous water supply to the La Jolla community.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the La Jolla Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2001 and will continue through Fiscal Year 2005. Construction began in Fiscal Year 2003 and is scheduled to be completed in Fiscal Year 2009.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R	5,936,180	1,816,473	505,000	3,406,825	2,749,833	153,689	76,069
Total	5,936,180	1,816,473	505,000	3,406,825	2,749,833	153,689	76,069
Work Codes	CD	C	D	C	C	C	C

Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	4,104						14,648,173
Total	4,104						14,648,173
Work Codes	C						

Contact: Sam Gray

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Phone: 619-533-4157

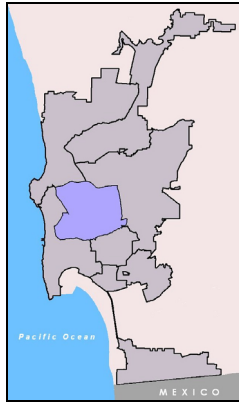
Water

Municipal Water

73-338.0 Water Department Central Facility

Council District: 6

Community Plan: Kearny Mesa



Description: This project provides for a Water Department Central Facility to be located in Kearny Mesa. This facility will accommodate 800 employees, 340 vehicles and equipment currently located at existing operations stations at Chollas Operations Station, Rose Canyon Operations Station, Alvarado Operations Yard, and the Comerica Bank Building at 600 B Street.

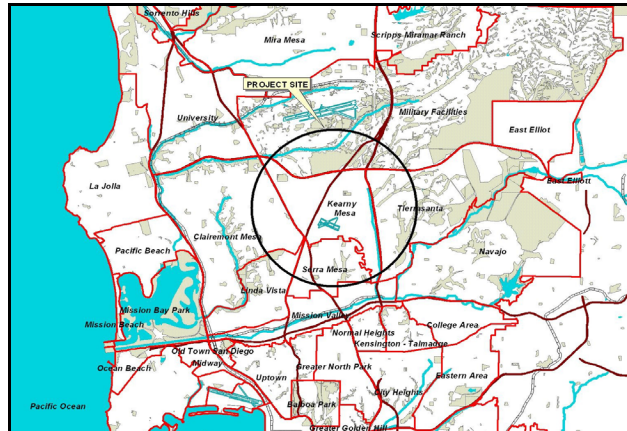
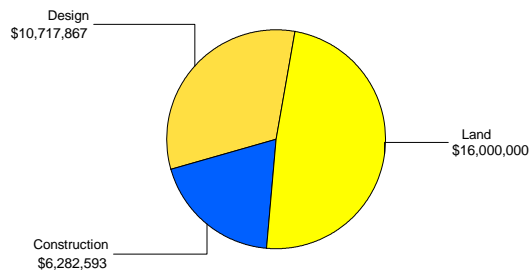
Justification: This project will consolidate all Water Department operations into one location. The consolidation will accomplish a variety of goals established by the Zero Based Management Review: to improve warehouse, material storage, and equipment salvage areas; to have a centrally-located operations center; and to relocate field and customer services operations out of downtown for improved access and service for our customers. Other advantages include greatly increased operational efficiency, elimination of overcrowding for Water and other departments that share sites with Water, cost savings, and flexibility for growth. Crowding will be reduced at both the Rose Canyon and Chollas Operations Stations, allowing other appropriate departments to take office and shop space now used by Water.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the Kearny Mesa Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Initial design began in Fiscal Year 1999, and was completed in Fiscal Year 2002. Land acquisition was completed in Fiscal Year 1999. Design is estimated to resume in Fiscal Year 2008. Construction is scheduled to begin in Fiscal Year 2010 and continue through Fiscal Year 2014.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R	22,535,746	600,659					1,838,151
Total	22,535,746	600,659					1,838,151
Work Codes	DL	C					D
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	2,343,970	1,664,181	1,664,680	345,338	342,597	1,665,138	33,000,460
Total	2,343,970	1,664,181	1,664,680	345,338	342,597	1,665,138	33,000,460
Work Codes	D	C	C	C	C	C	

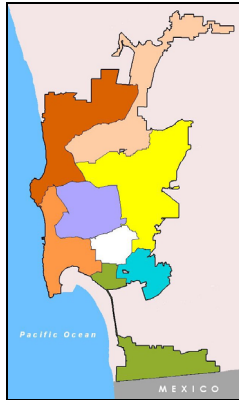
Contact: Sam Gray

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Phone: 619-533-4157

75-931.0 Water Department Security Upgrades

Council District: Citywide **Community Plan:** Citywide



Description: This project provides for installing miscellaneous security systems at various facilities.

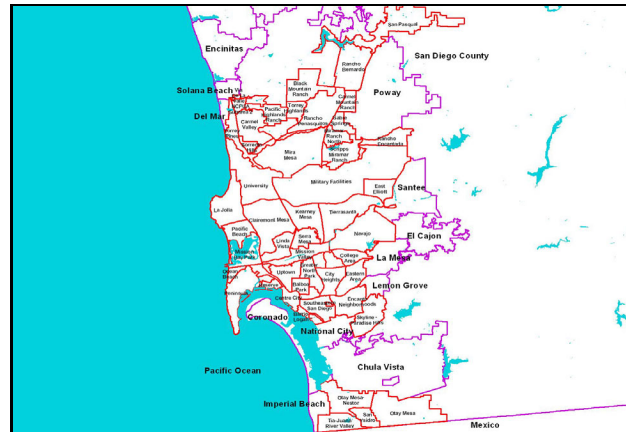
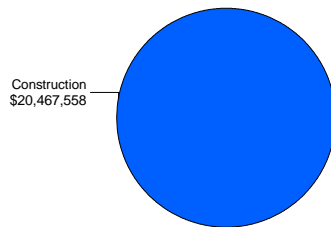
Justification: This project provides for improving security, controlling entry, and reducing opportunities for intrusion by unauthorized persons.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Construction began in Fiscal Year 2001, and will continue through Fiscal Year 2006.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-E	3,498,890	838,668	5,491,000	5,331,000	5,308,000		
Total	3,498,890	838,668	5,491,000	5,331,000	5,308,000		
Work Codes	C	C	C	C	C		
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-E							20,467,558
Total							20,467,558
Work Codes							

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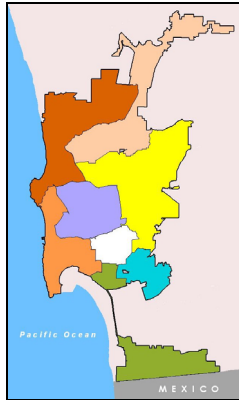
Water

Municipal Water

73-350.0 Water Flow Meter Installation

Council District: Citywide

Community Plan: Citywide



Description: This project provides for installing flow meters throughout the water distribution system to monitor flows.

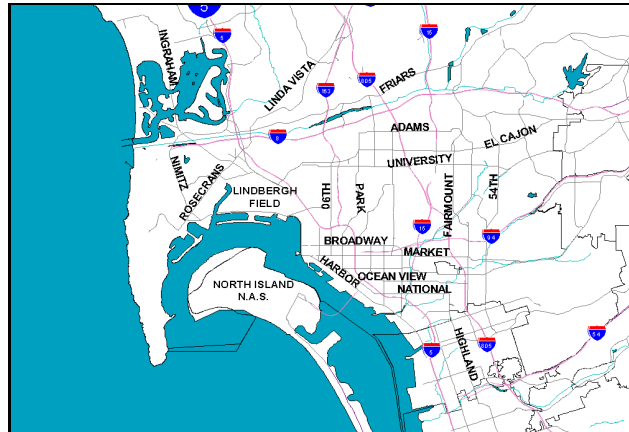
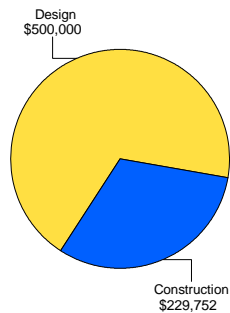
Justification: This project is necessary to provide adequate data to manage the distribution system.

Operating Budget Effect: The operating budget effect is estimated to be minimal.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design and construction began in Fiscal Year 1999. Additional construction began in Fiscal Year 2000 and is scheduled to continue through Fiscal Year 2005.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R		500,000	148,931	80,821			
Total		500,000	148,931	80,821			
Work Codes		D	C	C			
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R							729,752
Total							729,752
Work Codes							

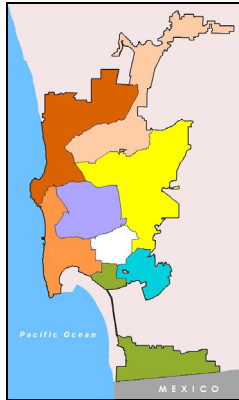
Contact: Sam Gray

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70-942.0 Annual Allocation - CIP Contingencies - Reclaimed Water Distribution System/RWDS

Council District: Citywide **Community Plan:** Citywide



Description: This annual allocation provides for Capital Improvements Program project contingency needs.

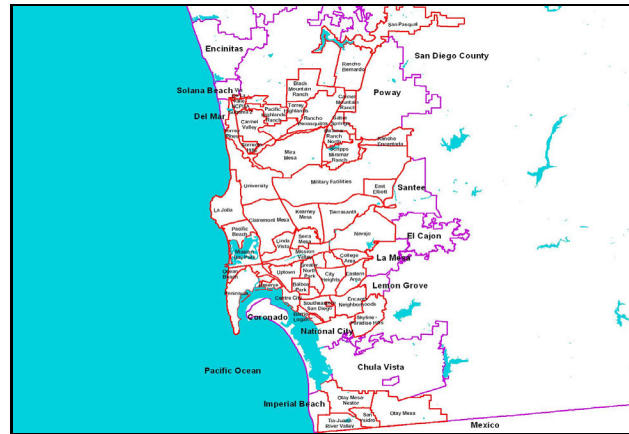
Justification: To provide better Capital Improvements Program project budget control, project contingency needs (except annual allocation projects) will be met by this annual allocation.

Operating Budget Effect: None.

Relationship to General and Community Plans: This project is in conformance with the City's Progress Guide and General Plan.

Scheduling: Projects are scheduled on a priority basis.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-E			390,400	11,976	6,550	147,146	189,316
Total			390,400	11,976	6,550	147,146	189,316
Work Codes							
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-E	180,252	199,999	349,999	350,002			390,400
Total	180,252	199,999	349,999	350,002			390,400
Work Codes							

Contact: Sam Gray

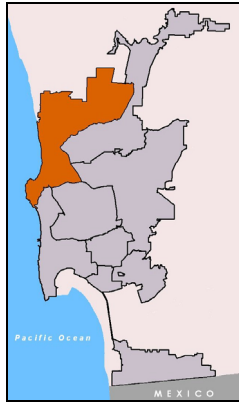
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Water
Reclaimed Water
70-954.0 North City Reclamation System

Council District: 1

Community Plan: Rancho Penasquitos



Description: This project provides for extending a reclaimed water pipeline from Black Mountain Road northward through Black Mountain Ranch to Camino del Norte. This pipeline will also service the Olivenhain Municipal Water District.

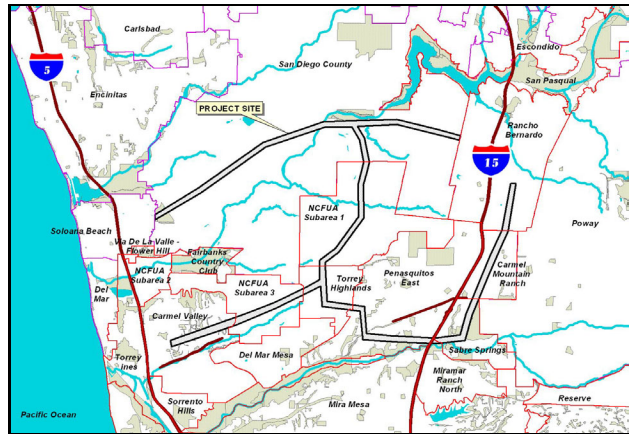
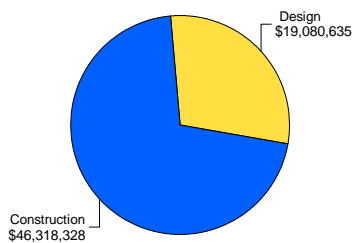
Justification: This pipeline will service two golf courses at Black Mountain Ranch and up to six existing or proposed golf courses in the Olivenhain Municipal Water District.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the Rancho Penasquitos Community Plan, and is in conformance with the City's Progress Guide and General Plan.

Scheduling: Planning was completed in Fiscal Year 2001. Construction and design began in Fiscal Year 2001 and are scheduled to continue through Fiscal Year 2009.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR							
WATER-R		23,748,484	9,567,020	4,769,803	7,282,348	14,249,861	5,565,884
Total		23,748,484	9,567,020	4,769,803	7,282,348	14,249,861	5,565,884
Work Codes		CD	CD	CD	CD	C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							
WATER-R	215,563						65,398,963
Total	215,563						65,398,963
Work Codes	C						

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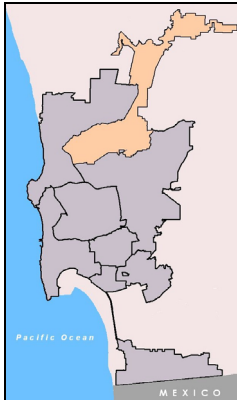
Phone: 619-533-4157

Water Reclaimed Water

70-955.0 San Pasqual Water Reclamation System

Council District: 5

Community Plan: San Pasqual Valley



Description: This project provides for preliminary planning and environmental studies for a pipeline to deliver reclaimed water from the reclamation facility to customers in San Diego and Poway.

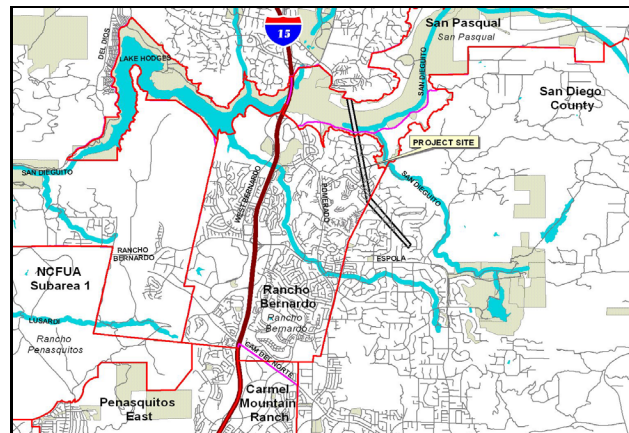
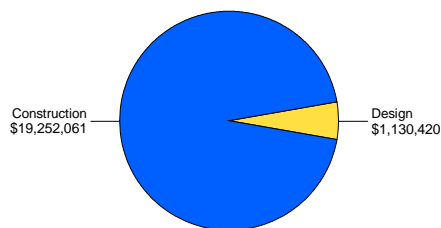
Justification: This project provides for the initial investigation of the San Pasqual groundwater basin to ensure that the City reaches its goal of maximizing reuse of the water generated in the San Pasqual Water Reclamation Facility.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the San Pasqual Valley Community Plan, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: Design began in Fiscal Year 2001 and will be completed in Fiscal Year 2006. Construction is scheduled to begin in Fiscal Year 2008 and be completed in Fiscal Year 2010.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
UNAPPR							
WATER-R	471,576	426,679		95,170	136,995	3,947,040	11,652,866
Total	471,576	426,679		95,170	136,995	3,947,040	11,652,866
Work Codes	D	D		D	D	C	C
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
UNAPPR							
WATER-R	3,513,349	138,806					20,382,481
Total	3,513,349	138,806					20,382,481
Work Codes	C	C					

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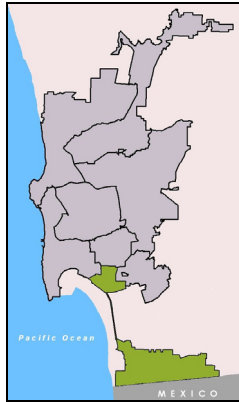
Water

Reclaimed Water

70-956.0 South Bay Reclamation System

Council District: 8

Community Plan: San Ysidro, Tia Juana River Valley



Description: This project acquires a pipeline that was installed by the Metropolitan Wastewater Department at Dairy Mart Road. It is approximately 4,145 linear feet of 30" diameter, ductile iron pipe, polyurethane lined and coated. A cathodic protection system is in place on this project. Subsequently, additional sub-projects will be created to form a distribution system for reclaimed water produced at the South Bay Water Reclamation Plant.

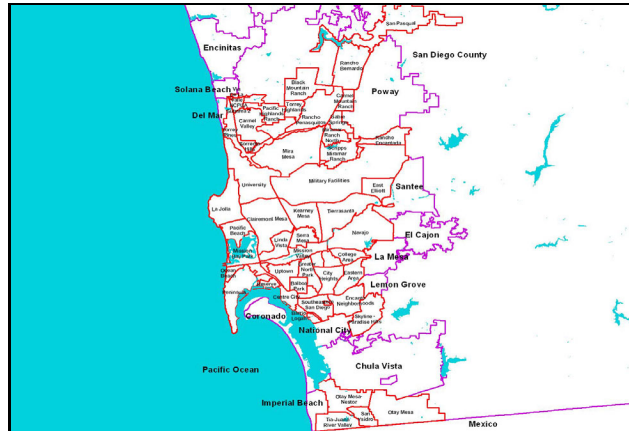
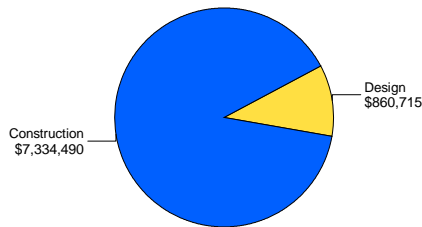
Justification: One of the requirements of the Consent Decree Agreement between the City, the State of California and the Environmental Protection Agency is the Beneficial reuse of Title 22 reclaimed water.

Operating Budget Effect: The operating budget effect will be determined upon completion of design.

Relationship to General and Community Plans: This project is consistent with the San Ysidro and Tia Juana River Valley Community Plans, and it is in conformance with the City's Progress Guide and General Plan.

Scheduling: The initial pipeline has been completed. The Water Department purchased the completed pipeline in Fiscal Year 2002 and the design and construction of additional pipelines began in Fiscal Year 2003. Design will resume in Fiscal Year 2008, and construction is scheduled to begin in Fiscal Year 2015 and beyond.

**Expenditure by Work Code
Project Life**



Expenditures by Revenue Source							
Revenue Source/Tag	Exp/Enc	Con Appn	FY2004	FY2005	FY2006	FY2007	FY2008
WATER-R	1,229,264	493,581	860,000				63,813
Total	1,229,264	493,581	860,000				63,813
Work Codes	C	C	C				D
Revenue Source/Tag	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
WATER-R	63,815	63,816	63,654	581,740	23,877	4,751,645	8,195,205
Total	63,815	63,816	63,654	581,740	23,877	4,751,645	8,195,205
Work Codes	D	D	D	D	D	C	

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